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# WF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

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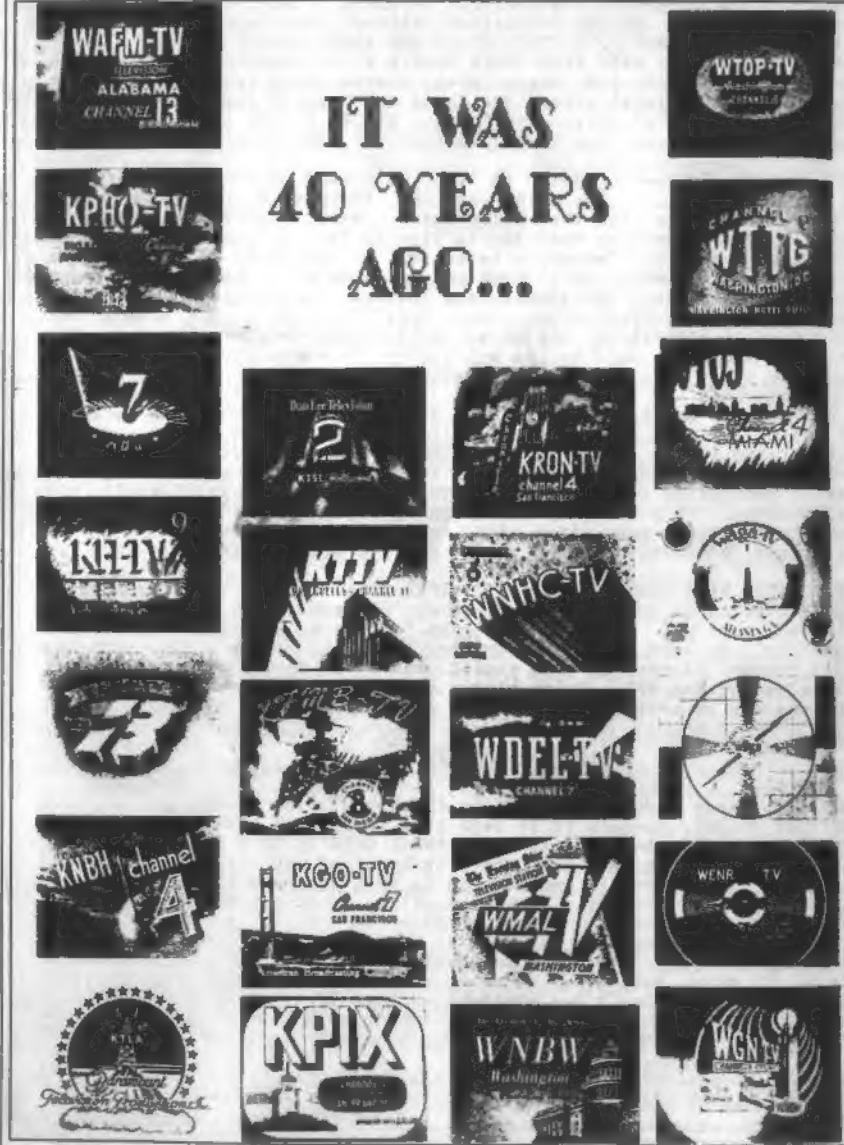


# VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

JANUARY 1991

IT WAS  
 40 YEARS  
 AGO...



# From The STAFF

**WINTER COMES IN STRONG...** In addition, some DX continued to do the same. In the Northeast and northern Midwest TV and FM DXers in most areas saw the end of the productive pattern of unusual ducting over rare paths that made late 1990 stand out among recent seasons. Some places that hardly ever experience severe winter weather, such as the West and Northwest, had their worst storms in decades, and while tornado activity swept across the South and lower Midwest, DXers noted a bonus--more out-of-season E-skip than usual. It was a wild end to a very interesting year for North American VHF and UHF DX enthusiasts.

**MAKE A RESOLUTION--HELP WTFDA IN '91...** It's hard to predict what kind of year 1991 will be for DXing--but one thing is certain: YOUR help will be needed to keep the hobby going strong. WFTDA is the only group in North America that specializes in long distance TV and FM. This has long been a "minority interest" in the world of DXing. One researcher who worked on a book about electronics hobbies tells us that the shortwave, mediumwave, and longwave areas of interest each have far greater followings than VHF/UHF. With the number of shortwave DX enthusiasts estimated to be in the tens of thousands, the TV/FM DX world is said to be quite tiny by comparison--only in the hundreds. All this is in spite of the fact that TV and FM are now the dominant modes of broadcasting. We still hear from curious DX hobbyists who are surprised to hear that there are such activities as FM and TV DXing! Some of our well-known members do great work in publicizing TV and FM DXing and WFTDA in their books and magazine articles--kind efforts that result in a steady flow of new members. Make a resolution to join them in spreading the word about WFTDA and TV/FM DXing. It's as easy as dropping us a note with the name and address of anyone you think might be interested in our hobby; we'll send them information, and when possible, a sample back-issue YUD.

**AND--LET'S HEAR FROM YOU IN '91...** WFTDA gains newcomers mainly through word-of-mouth in DXing, broadcasting, amateur radio and astronomy circles; but new members are only just one aspect of a club's vitality. We need to hear from more WFTDAers, both new AND old--not just through DX reports and photos, but also in the form of feature articles for the YUD. We're always glad to hear from someone who has an idea for an article--if YOU have one, why not drop us a line today?

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On the cover: TV IDs from 40 YEARS AGO via the January 1951 RADIO-ELECTRONICS! Thanks to Michigan WFTDAer Doug McAbee for this!

# NWS NEWS

JANUARY 1991

IN THIS ISSUE:  
 -WXM70 Spencer gets out...way out!!!  
 -NWS DX distances well over 500 miles heard  
 -and much more!!!

Matt Sittel  
 PO Box 21421  
 501C Wood Hall  
 NCSU  
 Raleigh, NC 27607  
 (919) 549-9370  
 Deadline: 2/1/90  
 for the 3/90 VUD

JANUARY 1991

Another small column this time. If your DX was anything like mine, there wasn't a whole lot to report. NOTE: The above is likely not my current address. I'm probably moving into a new dorm room, and I should have been notified by mid-December. I should be moving into it as you read this, so my mail will get forwarded, and I'll try to get my address in print on one of my DX reports for next month's VUD...that is, if I move. Anyway, let's move on... William B. Hepburn, 1211-1547 Mississauga Vly, Mississauga, ON L5A 3X8 Canada

Equipment: Realistic PRO-2004 scanner, 12th floor balcony vertical dipoles.

AUGUST 1990

26 tr 0349 WXM70 162.500 WV Spencer	345
0625 WXM74 162.450 WV Sutton	345
"NWS Charleston" (same prgm as WXM70 but not // and with different ID)	
0713 WXM72 162.425 WV Hinton	410

AUGUST 1990

28 tr 0123 XMJ316 162.400 ON Collingwood	64
(xmtr @ Blue Mountain)	
// XMJ225 Toronto)	
(on reduced severe wx cycle)	

SEPTEMBER 1990

27 tr 1015 WXM70 162.550 WV Spencer	345
-------------------------------------	-----

WXM70 is starting to turn into a regular pest here, hi!! Actually its a fantastic DX beacon for the south. The only station on this frequency (162.500) for miles around. Finally picked up my closest 'yet to get picked up' station, XMJ316 in Collingwood at only 64 miles. It took a severe line of thunderstorms rumbling through (to the southeast of Toronto at time of reception) in order to achieve this reception in two ways...(1) since the line was SE of Toronto it blocked out regulars Rochester and Erie on 162.400... (2) this strong line reflected back signals coming from the NW (much like radar does) and in fact enhanced all VHF/UHF reception coming from the NW (This same effect enhances reception of CITY-TV-57 and XMJ225 down in Niagara Falls where reception is pitiful despite ALREADY being line-of-sight--in this case the heavy rain must be NW of Toronto). Enuf 4 now, CU, Bill.

Frank Merrill, PO Box 669, Macomb, IL 61455

JUNE 1990

08 tr 1931 WJX77 162.400 IN South Bend	240
"on top of Springfield to 0400+, rare"	

JULY 1990

02 tr 0056 WXM28 162.400 SD Sioux Falls	370
"MN/IA/SD tri-state forecasts- in all night!"	

09 tr 0623 WJX74 162.475 IL Rockford	145
"Rockford temp., N.Central IL forecast. FINALLY! Tough be-cause WJX71 Peoria/WK82 Hannibal, which are my 2 strongest NWS stations, share this freq.-absurd spacing!"	
12 tr 2205 WXM70 162.500 WV Spencer	300

AUGUST 1990

2140 KIG65 162.550 WI Green Bay	305
2144 WXM91 162.500 WI Park Falls	380

26 tr 0137 WXM70 162.500 WV Spencer	500
27 tr 0413 WXM74 162.450 WV Sutton	535
0422 WXM72 162.425 WV Hinton	570
"WXM71 co-ID"	
0519 WXM70 162.500 WV Spencer	500

SEPTEMBER 1990

07 tr 0635 KIR61 162.400 NE Omaha	290
-----------------------------------	-----

"Omaha's climatic summary"	
----------------------------	--

0638 WXL62 162.475 IA Sioux City	325
----------------------------------	-----

"Siouxland" wx summary"	
-------------------------	--

(July 2nd DX continued above-mcs)

NWS logged total now 32. Great going Matt on hearing Kansas!(Thanks, Frank!-mcs) Most-wanted here is WXL94 162.550 IA Waterloo, which has yet to be logged here for some entirely illogical reason. State totals: IN-7, IN-4, IA-4, MO-7, NE-1, SD-1, WV-3, WI-5. I must thank WV for using the "newer" freq's, as none of them would have been possible (yet) on .400/.475/.550! I guess Gilbert, WV-162.525 is another most-wanted, because it would give me loggings on all freq's. Hope that all other people had great DX on whatever band they tried. 73. (I hate to have to tell you this, Frank, but you'd better "un-thank" WV as they moved Gilbert from 162.525 to 162.475. Baxley, GA is on 162.525, a little far, but you never know!!-mcs)

I'm a little short on time this month (I have finals coming up) so I'll save my DX until next time. There isn't a lot to report. I was in Hickory, NC in September and I heard .400: Asheville, NC and Winston-Salem, NC. .475: Charlotte, NC. .550: Bristol, TN. It was in the middle of the day so I assume Bristol is always audible!(It really isn't all that far away.)

I hope you all had a great holiday season, and '91 will be a fantastic year for you! Be sure to check the NWS band, and please report your findings!!! 73's.....Matt.



Edited for publication by  
Tom Bryant; 849 Todd Preis  
Dr.; Nashville, TN 37221

Strange Bedfellows In Fargo (continued)

They even brought an old Pembina Broadcasting dream to fruition by moving channel 10 to Thief River Falls and starting up KBAA-TV there. The latest expansion for that group was the addition of KJAA [?] in Jamestown, ND. The KVAA group started out as a chain of independents but has since affiliated with Fox. All programming originates at KVAA...the rest of the stations are satellites of the Fargo operation.

\*\*\*\*\* CONJECTURE \*\*\*\*\*

**THEORY #1:** Since the pairing of John Boler and Earle Reinecke seems unlikely (if not downright illegal), perhaps the FCC transcript as reported in BROADCASTING was incorrect. The error could have occurred at either the FCC or the magazine. Unlikely, but possible. Although there is little to substantiate it, my opinion is that the application was reported correctly. I was living in North Dakota at the time and recall all the hubbub about the odd partnership when the announcement was made.

**THEORY #2:** Mr. Reinecke was in poor health when all this took place. He was either in the process of, or about to become involved in selling his 55.6% of WDAY-TV to the Fargo Forum (that transaction was approved July 20, 1980). He may have been at odds with the Forum over the financial negotiations and joined Boler in an effort to pressure the Forum into a better deal. It may even have been a retaliatory ploy. In any event, Reinecke had a lot of clout in Washington and probably wouldn't have had much trouble getting the Commission to OK his entrance into the channel 11 venture simply on the strength of his promise to dispose of his WDAY holdings.

**THEORY #3:** Knowing that he would be selling his WDAY shares to the Forum, Reinecke might have opted to act as a 'plant' of sorts in the NBC camp...actually more as a liaison or buffer between WDAY and KXJB forces. WDAY had plans to start up a station (WDAY-TV-8) in Grand Forks/Devile Lake which would create a sizeable coverage overlap with co-owned channel 6 in Fargo. In this scenario WDAY would tender only token opposition to the channel 11 application in return for like treatment from NBC when the channel 8 application was made. This possibility is reinforced by an apparent lack of protest when KXGO-TV hit the air as an ABC affiliate contrary to promises made earlier to the FCC that it would be a CBS station rebroadcasting KXJB-TV.

**WHY THE QUICK SALE?** North Dakota Broadcasting Company did not enjoy the luxury of the seemingly unlimited resources of the WDAY/Forum combo. Considering the dismal financial performance of KXGO-TV, it's pretty safe to assume that NBC viewed the channel 11 venture as a failure; and saw the property as something worth more dead than alive. Another factor was a need for cash to upgrade the Bismarck and Minot stations. A final consideration is that perhaps the winds of anti-trust were picking up, and NBC simply decided to get rid of 11 before the affair turned into a full-blown storm.

**NOBODY REMEMBERS:** KTHI-TV Chief Engineer Roger Johnson was not familiar with channel 11 corporate affairs prior to his arrival in the early 80's. He did comment that considering Boler's reputation, almost ANYTHING could have happened...and probably did! John Boler had a long history of being a 'wheeler-dealer'; often of unpredictable nature. Retired WDAY-TV General Manager Sumner Rasmussen stated categorically that there were NO 'deals' between his company and KXJB-TV. [ed. note: Even if there had been, he may not have known about them as he was not in management at the time of the channel 11 application process.] Current WDAY/Forum President Bill Marcil said he didn't recall the Reinecke/Boler connection, but added that he was not living in the area at the time. Retired KXJB-TV engineer Lloyd Ericson didn't know whether or not Reinecke was a party to the channel 11 application, but did imply that unusual 'deals' were not uncommon at NBC.

**THE HORSE'S MOUTH?** Ericson suggested that I call John Boler (now retired and living in Palm Springs). Good idea, but a call I couldn't make for personal reasons. I was employed by Boler over 25 years ago at KXBO-AM. My exit from the company was not amicable; and to avoid opening old wounds I chose not to contact the one person likely to have the answers to this puzzle. I'll be the first to agree with those who accuse me of spineless investigative reporting, but this guy is a buzz saw I never want to run into again!

**THE BOTTOM LINE:** In final analysis, the pairing of Boler and Reinecke is the only questionable area of this report. If it did exist, what you've read has been the account of a most unorthodox license grant. If the Boler/Reinecke connection was a clerical error, consider the story a piece of fiction. In any event it did contain a number of oddities, and I hope you've enjoyed being a part of this chapter in broadcast history by way of the 'TV Time Tunnel' journey to Fargo. Until ALL the questions have been answered, this case is still open. If a solution is unearthed, you'll read about it in this column. Since this was such a lengthy feature I asked for permission to complete it in this issue thus allowing space for a new topic next month.

\*\*\*\*\*

NEXT

1949 ROSTER OF STATIONS ON THE AIR AND PLANNED

\*\*\*\*\*  
(below: logos of stations mentioned in this series)



telecasting from the Worlds Tallest Tower.

**TV STATIONS IN OPERATION  
AND CONSTRUCTION**  
AS OF MARCH 1, 1949

THIS INTRIGUING PIECE OF INFORMATION CAME FROM A 1949 BILLBOARD MAGAZINE, AND WAS SUBMITTED TO THE "TV TIME TUNNEL" COLUMN BY WIFER MEMBER GENE RADETZ OF RACCORD, IL.

**CITIES WITH STATIONS IN OPERATION**

\* Estimates by NBC Research Department of TV sets installed within 40-mile radius of each NBC station. Total.

**<sup>14</sup>BOLDFACE TYPE—Systems In Operation; LIGHTFACE TYPE—Systems In Construction**

TV TIME TUNNEL --- Page 4

**THE PIONEERS IN 1990:** In the process of carefully scrutinizing the March 1, 1949 station roster sent in by Jeff Kadet, I decided to take a look at the status then; compared to today. The list includes 121 stations either on the air or planning construction. Of that 121, only 28 of the original stations have survived intact...that is without a channel or call letter change. Four underwent only minor call sign revisions [WOR-tv/9/NY became WWOR, WBT-tv/3/NC became WBTV, WOW-tv/6/NE became WOWT, and WSM-tv/4/TN became WSMV] but are not included in the 28 statistic. There appeared to be one typographical error in the 1949 status report...they list KFBM in San Diego...which actually was (and still is) KFMB. From this point on in this month's column, I will not include the '-tv' suffix with calls for the sake of brevity.

**THE SURVIVORS:** To save you the trouble of hunting for them, the 28 stations still operating with the same call and on the same channel as they were 41 years ago are listed here by city, call, and channel. NEW YORK: WCBS/2; WPIX/11. PHILADELPHIA: WCAU/10. LOS ANGELES: KTLA/5. CHICAGO: WGN/9. BOSTON: WBZ/4. BALTIMORE: WMAR/2; WBAL/11. DETROIT: WJBK/2; WXYZ/7. WASHINGTON: WTTG/5. WPLB-.ST. PAUL: KSTP/5. RICHMOND: WTVR/6. ATLANTA: WAGA/5. SAN FRANCISCO: KRON/4; KPIX/5; KGO/7; NEW ORLEANS: WDSU/6. SALT LAKE CITY: KSL/5. ALBUQUERQUE: KOB/4. COLUMBUS: WTVN/6; WBNS/10. ERIE: WICU/12. KANSAS CITY: WOAF/4. MIAMI: WTVJ/4. ROCK ISLAND: WHBF/4. SAN DIEGO: KFMB/8. CLEVELAND: WENW/5. One other interesting observation in this area is that of all the original licensees in major markets, only the three San Francisco stations managed to carry their original call letters and channel assignments through to 1990.

Forty Nine in '49: When this list was published there were only 49 stations actually on the air in the entire United States! Only 10 of those currently have the same primary network affiliation or pure independent status as they did forty one years ago [that figure disregards secondary affiliation some stations had with the DuMont Network].

**QUIRKS:** Take a look at the Peoria, IL allocations..5 and 12 ?! Veteran Illinois DXers tell me that these stations NEVER went on the air as V's.. having been re-assigned to UHF channels before operation began.

**MASSIVE CHANGE:** Shortly after this listing was published a large number of channel changes were made by the FCC. Contrary to the theory that television transmission would be little more than 'line of sight', the reality of the situation was that even with relatively short tower heights (500' AG was average back then) coverage areas were much greater than had been anticipated. Correspondingly, co-channel interference was much worse than expected. Changes had to be made...and they were...on a big scale. The most significant shuffles took place in the Midwest and the south. There were fewer changes along the eastern seaboard and almost none in the far west. A look at listings for familiar cities should be quite revealing. For instance channels 2 and 6, assigned to Jacksonville, were moved to Daytona/Orlando after the freeze. In fact one of the reasons for the freeze was to eliminate the interference mess caused by the allocations as they existed on March 1, 1949.

**FOURS GALORE:** Check Nashville, Memphis and Birmingham..each had been assigned a channel 4 operation. Legally, under current spacing law, the Nashville/Memphis separation would have barely made it (both those cities have channel 5 stations now, with severe CCI at mid-point between their transmitters). Nashville/Birmingham today wouldn't cut it. The same would probably apply to the channel 7 allocations to New York City and Wilmington, Delaware.

GO FOR IT!! There's a lot more meat on this carcass. I hope you have time to work it over carefully to search out data of particular interest to you. Thanks again to Jeff for the list!

# FM NEWS

## Reader's Reports and FM Filter News

A DXer I know from the '50s reported in and ordered an FM Atlas. Len Kruse says WJOD 107.5 Galena IL now on air with 6 kw providing a good signal to Dubuque IA, doubling from its original 3 kw power. Jim Michaels is general manager. During a recent snowstorm, AM stations WDBQ 1490 and KDPH 1370 Dubuque really kept the residents of the area informed, Len reports. "Snowmobilers are hauling men to hospitals; driving is just impossible with the big drifts." I also heard from Bob Hawkins at WENS Indianapolis; he's a long-time DXer who has kept in touch since his days in the WIFDA in the early '70s. He reports the new Anderson IN station, WQME 98.7, is on the air, but his receiver would not tell him if it is stereo or not--too far away. Tom Cornell laments the loss of WFMF 98.7 Chicago reception in Kokomo (scoping it up with DX equipment), but says his kids like the Christian contemporary sounds of WQME.

Dave Sinclair sent a story about the new Camas WA station, KWQM 94.7. When the story was printed they wanted KMAS calls, but apparently AM station KMAS somewhere in Oregon didn't want to change to accommodate the Camas group. It expects to have sales offices in Vancouver WA or Portland OR--a rim-shooter, it looks like.

DXer D. Bruce Hall likes the new FM Atlas cover, "a great improvement and the graphics look more up to date. I hope the pages will stay intact better than my old Atlas, but I must admit with daily use your book gets a lot of abuse." He finds the maps somewhat useful. Apparently there's gonna be a new FM rocker in Belleville ON (frequency, calls, technical parameters unknown as of this writing). It will be headed by Roy Bonistal, former CBC TV program host. The CBC is considering changing its basic radio network from AM to FM. FM would change by 1994 from classical music to more contemporary music and such CBC programs as "MorningSide" and "Ideas." The AM band would still carry stuff like "As It Happens" with a "more immediate, topical" focus, while a third network with commercials would be created. The article did not say if the third network would be AM or FM, or a combination, but CBC radio has been free of commercials for some two decades.

Bruce sent a write-up on the Magnum Dynalab FT-101A tuner, with a retail price in Canada of \$850, praising its excellent selectivity. The article speculates that a "super-duper, much-more-expensive model is in the works." I still have Al Ellis' former FT-101 tuner, one of the early models, for sale, and am lowering the price ninety dollars to \$450 plus \$14 shipping. It includes FM/SCS selectable from front panel switches (67 and 92 kHz) and 150-kHz MARS filters--identical in performance to the tuner I use for DXing. It's in excellent condition and includes the instruction manual.

Jim Cumbie has been unable to DX KXOK 96.7 Sweetwater TX. Whenever he was in the area, KVMX Eastland would come through. Perhaps KXOK is on the air, but doesn't get out like KVMX. He can't figure out what is going on at monophonic sister stations KYQX '89.5 Weatherford and KMQX '89.1 Springtown. Each seems to have different formats, but at times they

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simulcast, and seem to share the "FM-89" moniker only during simulcast periods. "After the first of the year I'll be buying some SCAdapters from you." The Austin TX newspaper was kind enough to give the FM Atlas a plug, and Karl Zuk called and promised one in "Monitoring Times."

Matt Sittel sent some welcome news with his FM Atlas order, but I would like to know if WZBB 99.9 Rocky Mount VA is stereo or not--"B 99.9," omitting the "point" when spoken. Keith Pugh sent some news, too, and he has been awaiting arrival of the FM Atlas. He says WKXJ 97.3 South Pittsburgh TN is on air in stereo, 24 hours, ID with Chattanooga. From a TV newscast, Keith learned that WDRM Decatur is No. 1 in the ratings, followed by WZYP Athens, WRSA 96.9 Decatur, WAHR 99.1 Huntsville and WTAK AM 1000 Huntsville AL. WHP AM 1230 Huntsville has hopes of buying WDRM 102.1.

Tom Bryant sent a cassette of WAMB-FM 106.7 Donelson TN, with ID only for the AM station; probably the FM, which is stereo and directional, is not officially on the air--it might be program testing. Anyway, there's a low power commercial FM station for DXers to go after.

DXer Nigel Pimblett in Alberta says that apparently the CKUA-FM stations do not verify reception reports. "I haven't seen any QSLs out of them for the last several years." Also reporting in is longtime DXer Jim Hughes, who says the FM stations I show in Mackinac City and Gulliver MI remain off the air. "I don't do much FM DXing because of the monotony of sameness of music. I have no reason to want to listen to them (the regular signals). . . I like AM stereo, even more than FM stereo. However, I prefer good clean monaural high quality audio reproduction (such as WCCO in the Twin Cities and WQXR 1560 in New York city). Keep smiling."

"Love your column!" writes Stephen "Mr. Radio" Springfield Ehrbar. "Please mention my airchecks in your column. I have great airchecks. Great audio quality! Fast service," using Maxell tape. If that plug inspires you, write Stephen at PO Box 3494, Daytona Beach FL 32118-0494 for a listing of what he has to sell. I think his airchecks are all 90 minutes long, and some are of historical interest.

This active on easy listening music sent in by Bill Nienjadny, who wants to see my catalog of radios,



## FCC-FM

publications and tapes. "For Tim McVey (Nov. '90 VUD) article on filters, I have gone back and experimented using 150, 180 and 280 kHz filters. Sensitivity and readability increased a bit more using 280 along with the 180s and 150s. Adjacent channel rejection a bit less but still no major problems getting the adjacents. I'm using a TX-9800 Pioneer analog tuner. It takes five filters and of course I use the IC (molesk) sockets. The TX-9800 I could recommend to anyone. It is a good analog tuner; Doug Allen uses it too!" Bill sent an article on the turnaround by the FCC of low power FM and restricting FM translators to relaying primary signals, but not DXable signals unless a translator operator wants to do that without getting any compensation from the primary station. The article focused on Jerry Turro's 103.1 translator in Fort Lee NJ, and how it won't be allowed to originate programs in a populous county having no commercial FM station licensed there. Turro is planning a court appeal. The article mentioned educational stations WRRH Franklin Lakes, WFDU Teaneck and WRPR in Mahwah NJ, but failed to say that WRRH has not been on the air in six years! Bill's still waiting for his FM Atlas to come.

Jerry Monroe in Syracuse called and said he is successfully using 110 kHz filters in a tuner--probably in combination with 180s or 230s. He's getting a monaural CBC French station on 90.7, which I think must be CBOF Ottawa. Jim Pizzi sent a central CA FM station list from the "Fresno Bee." It has KEFR Le Grand's frequency wrong, showing it as 88.5, not 89.9.

Mark Strickert sent information about his club, Decalcomania, and he clarifies that he does not run the club. Orders are sent from Box 126, Lincroft NJ 07738. A sample bulletin is \$1.25.

"Keep up the good work on the column," writes Greg Coniglio. "Keep cramming the info onto the pages. What drives me nuts is people always knocking the volunteers of this club. Always complaints from 'picky' people, but never bother to write the person himself with a suggestion." Buffalo ratings show WJYE is first, followed by WYRK, WKSE, WBLK, WBUF, WGR-FM tied with WMQJ. WBNM AM is way down to No. 9, losing play-by-play sports.

Chris Dunne has gotten skip from Central and northern South American countries on FM; look for it in Southern FM DX and in the QSL column. "I told Mike Dorner about it and was willing to dub a DX cassette for him but no reply yet. . . Still wish I could travel extensively (and safely) to those countries in Central/South America where FMs are still hard to get logs, and rewrite 'Ondas'." Do you have \$50,000? HI."

Bill Hepburn skipped the last edition, but is ordering the current "FM Atlas." His interest in FM DXing was waning, but "now with IF improvements and my own installation of another RF stage, FM-DX is better than ever! Thus my interest in the new Atlas! I'll cross-reference with my info and keep you up-to-date on any changes I note. Keep up the fantastic FM column--the best around. How anyone can criticize you for the occasional (or frequent) plugs for FMedia! etc. I'll never know. After all, your efforts are all voluntary!" Bill says Toronto 91.9, the "Molson Indy Network" (CJLX?) is likely to be on everysummer in late July, "considering the fact that the Molson Indy is an annual event. Plan to try to DX this ephemeral (or perennial?) station in 1991, if it should reappear. Bill says, "the split of Northwest Territories looks like an event for 1997--a lot later than the politicians first expected! I don't understand the long delay." Bill used to live and DX in the Northwest Territories. He should consider writing an article for the club on how to add an RF stage to a

## WRRH '88.7 to Reappear?

January, 1991

tuner, I doubt, however, if most tuners can benefit from any more RF stages, as the tuners most of the really experienced FM DXers use are already at or near the state of the art.

Gil Morgan wonders if I still have 150 and 180 kHz filters available, and yes I do. He's in Los Angeles, "the land of 100 locals," and probably not near anyone else who modifies tuners for more selectivity. I have gotten some calls from DXers in the northeast and have referred them to other DXers in that part of the country who have a track record in modifying tuners. John Zein mentions the move of WXPN Philadelphia from 88.9 to 88.5. "One of my favorite stations, WAMU 88.5 Washington DC, is no longer available in S.E. PA. In a car, switchover occurs about 16 km south of the PA-MD border."

"I haven't abandoned the WIFDA or DXing, just have given up--at least for the time being--sending my DXing journals to the columns," says Scott "Kainbridge" Good. He is revamping and revising his logs and entering them into his computer, using km for distances. "I'm not too crazy about some of the other metric measures--e.g., temperatures--but think metric length is much better than the old system. One little irritation regarding km: Why do some pronounce it 'kil-AWM-a-ter' rather than 'KIL-o-me-ter'? . . . Keep up the good work!"

Lenny Goldberg sent much news from his native Oregon, mentioning several stations off the air in Medford, four total, two AM and two FM. "I've given up DXing at my apartment. Instead, I drive up Mount Ashland (9000 feet up). Even great equipment at my apartment can't come near my car radio up that high! Curiously, I haven't logged any DX up there, but it's a thrill to listen to the 'locals' from Modesto, Sacramento, etc. that are in all the time."

And that's all the news of filters and other stuff. Look, below, and see how much new material I culled from the voluminous December VUD, as you scan "See Also."

## New FM Station Grants

AL Enfonda 97.9 3000 h.v.; 100 m, Tools & Co.  
CA Big Bear City 93.3 600 h.v.; 561 m  
CA Esmer KHW 98.9 7400 h.v.; 327 m  
CA Quincey 100.3 3000 h.v.; 161 m  
CT Ledyard (Norwich-New London) 100.5 3000 h.v.; 58 m, L. Community Corp.  
FL Panama City 89.5 100000 h.v.; 32 m, g. P. C. Christian Schools  
ID Pocatello K211AD 90.1 (WMBI-FM 90.1 Chicago IL, via satellite)  
IN Fort Wayne 92.3 3000 h.v.; 100 m  
IN Lagrange 105.5 3000 h.v.; 100 m  
IN Ligonier 102.7 3000 h.v.; 100 m  
KS Heslington 96.3 3000 h.v.; 100 m  
MS Koatiukos 103.3 25000 h.v.; 100 m  
MO Poplar Bluff 103.5 50000 h.v.; 150 m  
NH Linton 96.7 700 h.v.; 150 m, Profile Corp.  
NY Bay Shore 103.1 3000 h.v.; 53 m  
NY Center Moriches 98.1 3000 h.v.; 100 m  
DE Archbold WBYC 89.5 3000 h.v.; 55 m, g. Summit Christian College  
OK Claremore 94.5 3000 h.v.; 100 m  
PA Erie 94.7 910 h.v.; 182 m, Peninsula Corp.  
PA Slippery Rock 98.1 100 h.v.; 24 m, SR U.  
RI Block Island 95.9 3000 h.v.; 45 m  
SC Socorro (Myrtle Beach) 89.5 3000 h.v.; 100 m  
TN Memphis 88.3 2750 h.v.; 50 m, Comsat Library, to share time with/  
TX Corpus Christi 94.7 3000 h.v.; 81 m  
TX Waco 94.5 3000 h.v.; 100 m  
VT Hartford 104.3 2000 h.v.; 128 m  
VA Baden 106.8 100 h.v.; 389 m  
WV Beckley (Fairmont) 93.1 3000 h.v.; 76 m  
WV Spanish Fork 94.5 3000 h.v.; 100 m  
MB Winnipeg 91.1 58000 h.v.; French, Radio Communautaire de Manitoba, Inc. The station expects to receive \$294,000 from the government of Manitoba, Quebec, the city of Winnipeg, businesses and the public.  
ND Edmore 101.1, \$, 2000 h.v.; La Co-operative des Montagnes, French

## Tropo Forces KLTD to Move

MB Saint-Quentin-Kedwick 90.1, \$ 500 h, L; Co-operative des Montagnes. These two stations granted in Feb. '88, but only now were the frequencies assigned.  
ON Fort Erie CFTY 101.1, no technical parameters announced, will shift from 130 AM to FM "by early next year."  
PQ Riviere-du-Rivard CBGA- "92.5 40 h, no Call Letters Assigned

AL Carrollton 94.1 WCKD (from WAOT), new calls  
AZ Arizona City 106.3 KONZ (KXMK)  
AZ Oracle 103.1 KBTR (KAUV), m  
AZ Wickenburg 105.3 KFMM-FM (KTM-FM); AM is in Tolleson AZ. Format new or  
CA Bakerfield 93.3 KCHT, [S1, new], r, "The Hunt" [AM in Soledad gets new calls]  
CA Greenfield 99.5 KSUR-FM" (KSUR-FM);  
CA Imperial 95.3 KBCD (KOZN)  
CA La Isabela 104.5 KVLI-FM  
CA Maricopa 98.1 KQSD (KSD)  
CA North Highlands 88.3 KGBR-FM (AM is in Rocklin CA)  
CA Rohnerville 100.5 KGEX "The Eagle"  
CA Sacramento 98.9 KSEG (KROY), ap format/  
CA San Rafael 100.7 (having moved from 100.9; now with a clearer signal to the south. "On 100.9, they were annihilated by KGSD Tracy," reports D-X John Jafferson) calls change to KTIO-FM" (KTIO-FM; AM gets new calls)

CD Colorado Springs 101.9 KKCS-FM (KKCS)  
FL Arcadia 93.3 WXT (WWD-FM)  
FL Clewiston 95.7 WINT (WNL)  
FL Mexico Beach 99.3 WBZB (WBZC)  
FL Naples 93.5 WRG1 (WLAZ)  
FL Takahama 89.9 WBGM-FM" (WBGM-FM; AM gets new calls)  
GA Augusta 103.1 WFXA-FM (WFXA)  
IL Chicago 100.3 WPNT-FM (WZEZ-FM), r, "The Point" (strict), simulcast with AM audience; WZEZ AM has 8.2"  
IL Golconda 105.1 WVKZ  
IL Kanabik 91.1 KTCR (WKVF) "B-106"  
IN Columbia City 108.3 WJDB (WJBB), /  
IN Newburgh 106.1 WEKK  
IN South Bend 106.3 WMXN (WGR)  
IN Vero Beach 103.1 WRIPI (WVOR), has been off air

IA Anamosa 92.5 KJYJ-FM" (KJYJ-FM; AM in Des Moines gets new calls)  
IA Bettendorf 93.5 KDCS (KGRL)  
IA West Yarmouth 94.8 WAB (WCB-FM). As soon as the WJB call letters were released by 100.9 Boston, WCB-FM lost its name, applying for those calls from the FCC.  
MI Buchanan 89.1 WSMK  
MI Grand Falls 83.8 KKKC  
MI Lakewood 106.1 KZPZ  
MI Nipomo 93.3 KZPK  
MI St. Peter 91.5 KVRU  
MI Columbus 94.9 WJED  
MO Catoosa 97.8 KMRL (KRK)  
MO Compton 100.1 KVVR  
NE Chadron "91.9 KCKE-FM"  
NE Lincoln 101.9 KFMO-FM (KFMQ)  
NE Minot 91.5 KRNE-FM  
NE North Platte 91.7 KPMF-FM  
NV Sparks 92.1 KVRX  
100.9 KKMR (KROI)  
NM Espana 102.3 KIGY (KMYK)  
NM Los Lunas 106.3 KZPZ  
NM Ruidoso 83.5 KWES (KBUY-FM)  
NY Arco 93.3 WMYO (WYME)  
NY Lake Lure 94.7 WDBR-FM (WZBR); AM is in Bostwick FL  
NY Oneonta 91.7 WZKU  
NY Palmyra 98.7 WZKX  
NC Hatteras 102.5 WZCG  
NC Topsail Beach 103.9 WZXS  
NC Wilmington 97.3 WMXN (WMDF-FM)  
ND Jamestown 93.3 KJZJ (KJSM)

January, 1991

OH Columbus 82.3 WCGI-FM (WIXBT), s, "Cool"  
OH Upper Sandusky 90.1 WYXZ (WXML)  
OH West Carrollton 92.1 WRCU  
OK Lawton 107.3 KVNU [am of]  
OK Altamont 101.3 KCHD (KPMW); not yet/  
OR Brownsville 102.3 KQAL-FM (AM is in Lebanon OR)

PA Altoona 86.1 WFGY (WFGB-FM)  
PA Harrisburg 104.1 WHNK-FM (WNHK)  
SC Ellijors 100.3 KWMY-FM (WMY)  
SC Lake City 108.1 WYFV (WOTR), to 8800 h, [147 m]  
SC Marion 100.5 WKSY (WOTU)  
TN Carterville 96.7 WNKX-FM (WHL-FM)  
TN Lawrenceburg 97.6 WZXC  
TX Amarillo 91.1 KBUY-FM (KDJW-FM; AM is in Rul (doso NN)  
TX Austin 89.1 KVET-FM (KRFI), "K-Vet Country," coming soon  
TX El Campo 96.9 KDX-FM (KXGC); AM is in Bay City TX, no HLD  
TX Elgin 82.5 KKLX  
UT Salt Lake City 93.3 KLZK-FM" (KLZK-FM; AM gets new calls)  
UT Stone 101.7 WVMX (WRFB)  
VA Altona 105.5 WVKD-FM (WKHV)  
VA Churchville 97.8 WBOV (WJNA)  
VA Williamsburg 88.5 WOFC (WOFB), r, "The Duck"  
VA Poole 101.3 KGON (KUKE)  
VA Salem 106.2 WDBG-FM (WJKX); r, S, ID with Clarkburg  
WI Elk Mound 82.9 WECL

## Facilities Changes/Granted (Selected)

See Also December VUD For:

AL Dothan WTVY-FM 85.5 95 Country (ex

"FM-95"), Merrill, p. 40

AL Sykesville WAWV 88.3 The Wave

Pugh, p. 32

AR Barling KOLX 84.3 (from 84.5) 32000 h, v, 150 m, C2

CA Central Valley KNHH 99.3 5300 h, v (100 m)

CA Oildale KLLY 98.3 4000 h, v (120 m)

CA Soledad (new) 106.3 (from 105.3)

CO Glenwood Spring KMTS not yet on air, 150 m, C2

CO San Juan KSNW 91.3 3100 h, v, 100 m, C2

CO Ignacio KGSU 81.3 still in mon, Merrill, p. 40

CO New translator on 103.3, one of two

previously-unlisted translators having KSNW-FM

103.9 Snowmass Village CO on them

translators not locator, even though on same

frequency as primary. I wonder if Allen's

recaption (p. 31) to the KJYJ might have been

the result of bouncing off a mountain of

K280AU 103.3 Colorado Springs, and if

K280AU might have changed its primary to

K281AU 106.5 Security CO? Those new trans-

lators are Redstone K280DP 103.9 and

Thomerville K280QD 103.9.

FL Callaway WVKL 103.9 need to know if it has

stereo, Pugh, p. 32

FL Somerset WSEK 87.1 (from 86.7) 27500/

LA Baton Rouge WTGE 100.7 97000 h, v, 145 m

LA Dover-Foxcroft WDME-FM 103.1 48000

MA A of WCAT-FM 99.3 3700 h, v (124 m)

MI Harrison WKK 92.1 8000 h, v (91 m), to go

STEREO?

MI Sault Ste. Marie WCMZ 88.3 25000 h, v

MI Black Rock (new) 88.3 50000 h, v, 139 m, C2

MN Spring Grove KOLY 88.3 32500 h, v, 185 m

MN Thief River Falls KKKD 88.3 8000 h, v, 49 m, m, rr, on air; STEREO?

MN Conway WNLH 104.5 100 m (3000 h, v)

MN Franklin WFTN-FM 94.1 5000 h, v (100 m)

MI

Plymouth WPNH-FM 100.1 14000 h, v, 109 m

MI Ishpeming WJPO-FM 82.3 11000 h, m, rr, rock, format change? Ross, p. 36

MI Keweenaw WJZL 94.3 need to know if it has

stereo, Coniglio, p. 53

MI Holly Springs WKHA 92.7 2000 h, v, 152 m

MI Liberty WLIB 98.8 1005 h, v, 62 m

MI Middletown WAFY 103.1 r, Coniglio, p. 45

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MI Holly

# NORTHERN FM-DX

GREG CONIGLIO  
5100 GLENWOOD DRIVE  
WILLIAMSVILLE, NEW YORK 14221

For DXers in: Canada, WA, OR, ID, MT, WY, ND, SD, NE, MN, IA, IL, WI, MI, IN, OH, PA, NY, CT, RI, MA, NJ, VT, NH, ME

HAPPY NEW YEAR!!

DEADLINE: The 1st

A fairly small column this time around, but still some reports of the excellent fall tropo season. There were excellent openings in October, plus some got in on a "Thanksgiving '90 tropo fest". If you got any DX, please let us know. Thanks to all that reported DX and input to this column in 1990. I hope you all keep up the great work in 1991, and I hope to hear from some new reporters too-write and let us know how you are!! You may have noticed that when I must use the Image Writer instead of the laser printer the print quality has been inconsistent. When the printer is light, it is hard to read; fuzzy. When I try and darken the print, it seems to flood out, also hard to read. I am trying to use larger typeface wherever possible as well. Any suggestions are appreciated. The script font (like I used for Nienajadly's report a couple of months back) will not be used as there were some complaints, and I tend to agree it did not come out that well...Happy New Year!

WILLIAM R. HEPBURN - 1211-1547 MISSISSAUGA ULY BLU - MISSISSAUGA ON 156 3XH (EST)

Equipment: modified JVC R-X330U w/12th floor balcony dipoles & 10 db amps. Realistic PRO-2004 w/indoor 4-bay UHF for microwave SITLs

OCTOBER 1990

13 Tr  
1955 WICB 91.7 NY Ithaca 180  
2147 WCLV 95.5 OH Cleveland-Akron 195  
(10 db)  
2258 CFBG 100.3 ON Bracebridge 102  
(Muskoka) "FM-101"

22 Tr  
2110 WSOM 950.125 OH Salem 195  
(STL AM-500, 10 db)

NOVEMBER 1990

22 Tr  
2115 WNCD 94.4-375/625 OH Austintown 10  
(STL FM-106.1 Niles 2)  
2219 WNWU 107.3 OH Elkhorn-Cleveland 2  
2232 WRKQ 106.9 OH Canton (10 db) 2  
23 Tr  
0048 WEGM 107.5 OH Wheeling (10 db) 2  
0055 WSNY 94.7 OH Columbus (10 db) 2

Comments: Good tropo on the 22nd/23rd but more time was spent on TV/PBS. WSOM-500 STL @ 195 miles is my new SITL record. WNCD was received on two discrete channels (left & right stereo). WQOT-101.1 Youngstown was booming in at 80 db. When will autumn ever end? .. next spring I hope.

DAVE NIEMAN - 12284 NICE ROAD - AKRON, NEW YORK 14001-9529

EQUIPMENT: Carver TX-11 tuner, Heathkit audio amp, Channel Master 4608 on crankup tower 32' (must times) turned by a Alliance HD-73 rotor, RG-11 coax used.

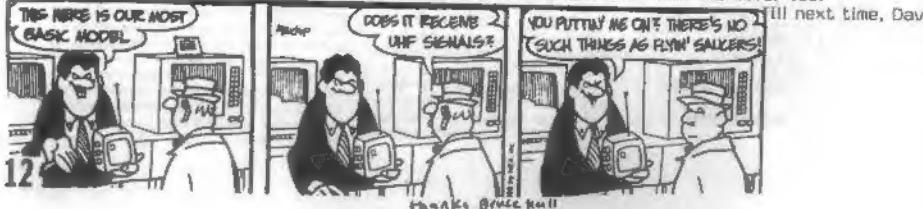
OCTOBER 1990

14 Tr  
1400 WPHI 94.7 NY Cape Vincent, ID, g \$ 131  
20 Tr  
2158 CKNX 104.9 ON Meaford, CKNX-FM 102 ID, g \$ 146

NOVEMBER 1990

3 Trs  
0941 CHXL 103.7 ON Brockville, XL-103.7, r\$ 175  
1409 WKNE 103.7 NH Keene, call+103.7 KNE", r\$ 311  
20 Tr  
0133 CBOF 90.7 ON Ottawa, call, c FF (ex. 102.5) 219  
21 Tr  
1351 CBO 91.5 ON Ottawa, c, o/wXK Roch. (ex. 103.3) 219

Now that CBO & CBOF Ottawa have changed frequency; are the stations on 103.3 & 102.5 the same stations but with new call or new stations and can be added to your log total if relogged? Been listing to 103.7 for tropo scatter from W2PK Berlin, NH. I think I may have heard their slogan: "New England's power station". If it is one that they use; persistence will pay off. Also been listing at 99.1 for WSLQ Roanoke but added WHCM Parkersburg to my log. Got the new "FM ATLAS" yesterday; it looks good Bruce, a lot of new stations added since the last one. Like the cover too.



NORTHERN FM-DX

JANUARY 1991

18 HUCHY HALL - 141 KING OF ORP ROAD - BRANTFORD, ONTARIO N3R 5K7  
Equipment: JVC JR S201 receiver (modified) Magnum Dynalab 205 signal slant, Stereo Probe 9 fed with RG5 at 50 feet AOL. Crown rotor, distances are in kilometers.

OCTOBER 1990 DX

16 Tr  
0800 WND 102.1 thru CPNY news, nice car bumper with roaring engine and squealing tires followed by female voices musical ID jingle sounded like WFAX or WFAS. PM time south. Maybe WRXL?

10 Tr  
0752 WDL 107.1 MI Saginaw, r. Power 107, rock concert ed, calls, 1st 107.1 other than Q107 300

11 Trs  
0800 WLTJ 93.9 PA Pittsburgh, m, Lite FM 309  
0900 WMVQ 96.9 PA Bradlock, r. Magic 97, Pittsburgh's only all classic R&B radio sta. 319

12 Tr  
0744 WJQZ 93.5 NY Wellsville, Magic 93, calls 196  
30 GWYX  
0608 CHRW 94.7 ON London, pr. University of Western Ontario, 5 m "Mexican Radio", power increase to 3000 watts.

0801 WLTJ 94.7 MD Bethesda, W-line traffic ment Hwy 56, Federal, 196, and inner loop 50

21 Trs  
0626 WD2D 94.7 DE Dover, r, 22nd stne board. 275  
0705 WERX 94.7 PA Paton, dm WNEQ 94.5 splinter, St. Marys and Johnstown ments 275

0713 WMH 94.7 NY Cape Vincent, g, NY address  
Think I've found another open frequency besides 99.1 Oney (Yep, 94.7 is pretty good I-gc)  
NOVEMBER 1990 DX

1 Tr  
0724 (WELL) 95.7 OH Shadyside, suspect oldies ex WBIV, ex-center Rocky mtnt Wheeling 1914 WCMF 95.5 NY Rochester, sp, 96 WCMF "Heavy metal man disco" mix by Yes 345

2 Trs  
0622 WREI 96.3 PA Chardon, sonr, Class FM 344  
3 Trs  
1737 WKY 101.9 KY Central City, k, 3 songs by Hot Rice (bluegrass), string 355

4 Trs  
1730 WCYQ 104.9 OH Gehanna, g, calls, Ohio news heard over WZLE Lorain Ohio 291

(Bruce, your "WCMF 95.5" was actually WCFM 57. CITY 2 31 was trying to play CITY 57 but picked up ch 57 WCFM from Pittsburgh instead -gc) Have had a goal of 400 entries this year but with 40 days and 40 new logs to go, looks like a tall order. An E-skip opening or a couple more meteor showers would help immensely. Greg, your column format and type looks super to me (Thank you -gc). The different type separates the reports and gives them an individual look from each other. Please don't feel that one complaint is a memory held belief. Your efforts on the columns are most likely taken for granted. Unfortunately, praise seems to come more difficult than criticism.

Joeywre news.

73 dB

BILL NIENAJADLY - P.O. BOX 2900 - CLIFTON, NEW JERSEY 07016-2900

Equipment same as last time.

NOVEMBER 26, 1990 Ed:

1718 WQUE 93.3 LA New Orleans, 1000 miles

3 E-skip openings in the last 30 days! And two Es openings went to FM! Finally got in on the 3rd one! This of course was short lived, is this a good sign that E-skip will be better in December? I wish! (I don't know if there is any correlation between fall out of season openings and the quality of the winter season? Anybody know? -gc)

DON'T FORGET TO CHECK FOR WINTER E-SKIP!!

## JOHN EBELING - 8209 VINCENT AVE. SOUTH - BLOOMINGTON, MINNESOTA 55431

From home in Bloomington, MN (all tapes)

01/28 0900 WSCN 100.5 MN Duluth, ex 100.9

01/11 2330 KDFX 102.3 IA Dubuque

2359 WMBN 96.3 MI Petoskey

101/0000 KJLJ 104.5 MN Blue Earth, ex 100.9

11/13 2240 KXRA 92.3 MN Alexandria, ex 92.7

From home in Albert, Minn. (all tapes)

01/27 1246 KWYR 93.7 SD Winner

1253 KKLH 93.7 IA Carroll

Well, that about covers it. Nothing great on tapes this fall that I found, but did catch up on logging newtchg frequencies stations. Regards, John Ebeling.

## KURT L. CHAPMAN - SYRACUSE, NEW YORK

## SEPTEMBER 1990 DX

3 Tr

1345 WLEW 102.1 MI Bad Axe, Cruise 102, AC

4 Tr

0831 CIMGX 96.7 ON Windsor, 96-7 Mix, CHR  
0843 WWWW 106.7 MI Detroit, W4 Country,  
0847 WOKI 100.3 TN Oak Ridge, I-100, CHR  
0847 WMIC 100.3 MI Dearborn, FM100, AC  
0849 WRIF 101.1 MI Detroit, The Riff, r  
0859 WDET 101.9 MI Detroit, NPR  
0901 WVGR 104.1 MI Grand Rapids, cl  
0906 unID 105.9 Central Time, very hot,

105PM. I think its WLW Nashville

0915 WKQJ 95.5 MI Detroit, Q-95, (CHR)

0922 WJLB 97.9 MI Detroit, JLB-FM, blk

0926 WMUZ 103.6 MI Detroit, g

0928 WGPR 107.5 MI Detroit, cl, blk

0932 WITL 100.7 MI Lansing, Whittle 100.7

0936 WFMK 99.1 MI E Lansing, Light Rock 99

0941 WHYF 96.3 MI Detroit, 96.3 FM, CHR

0942 WJIM 97.5 MI Lansing, EZ 97.5, AC

0948 WJZZ 106.9 MI Detroit, Jazz 105.9

Kurt also mentions that he recently received  
meteor scatter; this confirmed because he was talking to a friend in Washington at the time, who  
agreed to check his local dial to parallel the bursts!!

## FRANK MERRILL - P.O. BOX 669 - MACOMB, ILLINOIS 61455

Equipment: McIntosh MR78, CM Stereo Probe 8 yagi at 45 feet

## SEPTEMBER 1990 DX

6 Tr

0215 KKWK 95.7 MN

235

0400 WOZZ 93.5 WI, Wore 93.5 WOZZ New  
London-Fox Cities-Green Bay

290

0448 KKYU 105.9 NE Omaha? 105.9 FM, Omaha's  
new View (Not sure of city)

0453 KTCZ 97.1 MN

345

\*0455 KYTF 106.3 SD, legal ID, The Heat  
First SD class A, or is this a class C

0458 ? 106.3 NE Lincoln, Mix 106, calls?

410

0505 KWAV 99.3 IA

180

0513 KNOI 93.5 IA, KNO Info Line Promo

202

0521 KQCL 95.9 MN, Power 96, 5 ANN wx

275

0529 KMT 105.9 SD Mitchell, local news, calls

420

0541 KDWB 101.3 MN

345

0610 KBRX 102.9 NE Jingle (Note 1)

440

0616 KWPN 107.9 NE, local ad AM94 (Note 2)

275

0621 KNOI 105.5 IA, MONO, announcements, ID

405

0625 KAYL 104.9 NE, K105 wx, 2 York ads, this

In past 0830, raise in power? Over KOSK

385

0629 KFRS 103.9 NE, Clay County ad (Is ad).

to Superior, but WHOI is IN Clay City)

270

0629 KNCY 97.7 NE, BLASTING IN, softball ad

410

0632 KNZA 103.9 KS, promo for Western Illinois U  
calls, WIU is in Macomb Strange. 270

0705 KGBD 105.3 NE, wx for KQD 1st. area 425

0726 KKCA 100.5 MO, news and weather, we  
keep you informed, KKCA, move from 97.7  
still sounds like 3kw, what's the point? 130

0740 KELR 105.5 IA, KNOD gone, rare by itself 180

0747 KOAK 95.3 IA, Charley Pride c &amp; w (Note 3) 250

0802 KEZG 107.3 NE Lincoln, annihilatin KGRI! 310

0807 KZMC 105.3 NE Huskers FM promo, calls

Z-105, previously Eskip 535

0808 KNDY 103.1 KS, sure nice to have 103.1  
clear now (WJEQ now on 102.7) 300

0917 KDSN 107.1 IA, in and out of KCCO-IA 290

1031 KNOD 105.5 IA, again, over 2 nearer tows 275

10 Tr

0531 KLBG 95.1 MO, KS95, MO wx, local ad 180

19 Tr

1903 KIDA 92.9 IA, legal ID, jingle 275

1908 KLIR 101.1 NE 370

1903 KZEN 100.3 NE 380

2015 KGRD 105.3 NE 380

2203 WBNO 100.9 OH, singoff, pleasant surprise 340

2205 WWW 106.7 MI 410

2130 KAW 105.5 IA, Kiss FM, Southern IA wx

## NORTHERN FM DX

## FRANK MERRILL'S REPORT continued.....

## OCTOBER 1990 DX

## 17 Tr

0102 WLX 98.3 IL Macomb, PIRATE, hard rock,

NOTE #1: Normally, from about 101.9 to 108.5, the top end of the dial is virtually useless with the antenna pointed at local WJEQ 102.7 (25 km, 1.33 miles NW of here). Apparently, the strength of the signals in this opening caused the MR78 to 'back off' its AGC, decreasing the WJEQ overload to near zero. KBRX was a special treat, as they are in the same direction as WJEQ. The 105.3's (heard by dropping the antenna to due-west to eliminate what overload there was) were also a treat, because the WKAI-100.1 &amp; WJEQ mixing product makes this my worst overload frequency.

NOTE #2: Note the rarity here, an FM simulcasting an AM. Years ago this was the rule, but nowadays it is usually the AM that simulcasts the FM.

NOTE #3: A real fluke! KOKX-IA (40) was sitting there with open carrier. I was able to call and determine that KOAK had just played the song I'd just heard. Not likely to hear this again unless KOKX moves to 96.3.

NOTE #4: What is club policy, or normal individual choice, on recognizing "pirate" stations? This is my first "pirate" heard from Macomb. WTRA 107.1 Springfield is one of my most wanted stations, particularly because of my current state of socio-political activism. WTRA is a black-run station which, I understand, has done a phenomenal job of serving minorities in the Illinois capital. (Frank, I believe that club policy allows logging pirates as an official station. Here just to the northeast of Buffalo we recently had a pirate on 90.5 that I did not count, only because all it ever did was play albums, no announcing or anything. I viewed that as just someone doing it for their own enjoyment. However had I counted them I doubt I would have received many complaints. On the other hand, a pirate such as WTRA, with such a visible influence and benefit to the community could be considered a "de facto" station. I would definitely say count it the WLX too since they were using calls-90.)

## DANIEL E. OETTING - 22 CARRIAGE LANE - LYKON, PENNSYLVANIA 15631

Equipment: Harmon Kardon Citation 23, Yamaha T-70, pair of racally rabbit ears.

## NOVEMBER 1990 DX

## 20 Tr

0859 WMAU 98.9 MI Bude, multiple IDs

## 21 Tr

0830 WVEP 88.9 WV Martinsburg, multiple ID, wx

0801 WMRA 90.7 WV Martinsburg, ID, wx, c

## 22 Tr

1020 CFMX 103.1 ON Cobourg, c

1039 WGNY 103.1 NY Newburgh, AC, Sunny 103

Happy New Year! My FM DX interests have abounding thanks to a new tuner. Wall to Wall Sound and Video (an area electronic store) recently decided it wanted to get out of the electronics business and stick to selling CDs, tapes and records. Consequently they had an amazing clearance sale on all their stereo equipment. I stopped in and got a brand new Harmon Kardon Citation 23 tuner for a measly 140 dollars. Suggested retail on this tuner is \$50 dollars! The salesman said "Make me an offer on the tuner." I only paid 140 dollars as a joke really and was amazed to find him filling out the final paper work without another word about price. This tuner is incredible! What a DX machine! I've never seen better rejection of adjacent channel on any non-modified tuner ever. Tests show 46db Adjacent channel rejection. What else is nice about this tuner is that even though it tunes in 100 kHz steps digitally, it has a fine tuning knob which can tune + or - 25 kHz from the center frequency tuned. This further reduces the risk of any adjacent channel interference. At my location, all the FM channels are now capable of adjacent channel int'l. free reception. I've received some new stations, mainly due to the new tuner and not the conditions!

73's Dan O.

## GREG CONIGLIO - 5100 GLENWOOD DRIVE - WILLIAMSVILLE, NEW YORK 14221

Equipment see previous VUDs

## NOVEMBER 1990 DX

## 20 MS

1328 CKHJ 93.1 NB Frederickton, "country  
KHJ" jingle right over WNTQ

## 21 Tr

1145 CIXX 108.5 ON Owen Sound, c/WTRK

1150 CBON 104.9 ON Gogama, FF Mono

1230 WAVT 101.9 PA Pottsville, strong

1251 WIRQ 94.3 NY Rochester, modern rock,

calls, moved here from 93.3, power??

1304 CBQE 90.7 ON Ottawa, testing as new station

French ID, MONO

1405 CBO 91.5 ON Ottawa, testing as new station

English ID, MONO, blasting in over

WOKI Rochester. Are these ex-More?

NOVEMBER 22 Tr (Thanksgiving 90)

21 Tr 2145 WKHQ 101.9 ON Cincinnati, Q-102, CHA 403

23 Tr 0000 WWIN 88.3 IN Evansville, legal ID, local wx 580

0040 WPFB 105.9 OH Middletown, QSL rec'd

105.9 Dayton's Country Rebel 375

0200 WFPK 91.8 KY Louisville, legal ID 435

0200 WYXU 91.7 OH Cincinnati, strong signal 403

0204 WQDN 93.5 OH Bowling Green, 33Q Toledo

evidently CBCL was off the air. 250

0207 WGLC 90.9 OH Cincinnati, calls heard 403

0224 WEBN 102.7 OH Cincinnati, AOR c/WCPZ 403

0910 WOKV 99.7 WV Wheeling, W. Va., Power 225

1003 WHGM 99.1 WY Parkersburg, W. Va., Power

Country 266, since heard in on scatter

HAPPY NEW YEAR!

# SOUTHERN FM DX

January 1991 HAPPY NEW DX YEAR!

Doug Allen, w2crs, P. O. Box 5646, Woodland Park, CO 80866  
 Eqipt.: Pioneer TX 9800(IF modified) & stacked Stereo Probe 9s at 25'.  
 (Stations under 400 miles not reported unless new or remarkable!)

11/1 ms  
 0821 KNXR 97.5 MN Rochester, ad 728

11/9 ms  
 0805 K\_\_\_ 97.5 TX Olney, 15 sec. burst,  
 Wichita Falls wx, No cl in my AtIas, but  
 must be this one!

0941 KABL 98.1 CA San Francisco, "a cable  
 traffic report"  
 11/17 tr s

0940 KNID 96.9 OK Enid, old reliable in  
 as usual! 465

10/20 (from car on I-70 on Toyota  
 digital radio + car whip)

1200+ KYSC 106.9 KS Larned, NOT ON AIR,  
 "pure gold KQDF" strong

1200+ KGZ 98.7 KS Rosedale, NOT on air

1200+ KWNL 94.1! KS Downs NOT on air

1200+ KFBU 93.9 NE McCook, NOT on air,

KICK still 95.9

1200+ KSPZ 92.9 CO C. Springs, last C. S.

station to hear 300 mi.

1300+ KMOD 97.5 OK Tulsa from west of  
 Quinter, ID 310

1300+ KFRF 94.1 KS KC, in before Topeka's  
 88.1 + 96.1 300

10/26 (from car on I-70  
 0900+ KMOD 97.5 OK Tulsa in/out from east of KC to Salina.

1145 KSPZ 92.9 CO Col. Springs, east of Russell 320

1150 KMOD 97.5 OK Tulsa, in/out all the way from KC

1211 KFRF 94.1 KS KC from Quinter 300

1211 KOSU 91.7 OK Stillwater, from Colyer 260

11/28 ms

1300 KNEY 95.5 NV Reno, ID

11/29 tr s  
 0758 KZKX 96.9 NE Seward 425

1747 KNID 96.9 Enid 465

11/30 ms

0750 WMIX 94.1 IL Mount Vernon, ID

0846 KABL 98.1 CA San Francisco, ID

1000 KABL 98.1 CA San Francisco, ID

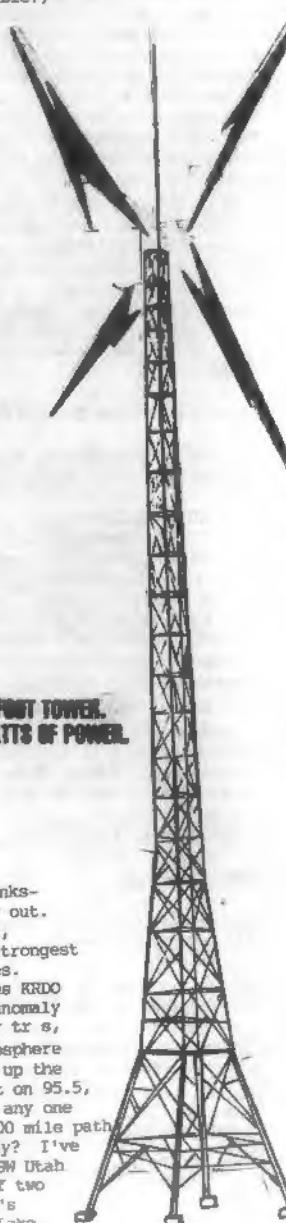
1300 KABL 98.1 CA San Francisco, ID

1300 KVIP 98.1 CA Reading, g

Besides the 3 IDs, I had several dozen bursts from KABL without IDs and several from KVIP in the several hours I monitored 98.1 today. Drove to Cincinnati and back for Thanksgiving; nice visit with Topeka DXer Todd Brandenburg on way out. No tropo this month, but I'll present two anomalies! First, when traveling I-70 from Colorado Springs 92.9 was the strongest station from 150 miles out, fading up as far out as 320 miles. However, approaching Colorado Springs at less than 150 miles KRDQ 95.1 and KFRF 96.5 were significantly stronger! Second anomaly concerns tropo scatter. The maximum theoretical range for tr s, about 500 miles, is limited by the highest part of the atmosphere useful for scattering about 6 miles in altitude. From six up the radio horizon is about 250 miles. I've been listening west on 95.5, 98.1, etc., for tr s from elusive Utah, without luck. Can any one explain why there appears to be very little tr s over the 400 mile path west when I'm exceeding 400+ miles tr s to the east regularly? I've confirmed that KREC is definitely on and loud throughout SW Utah from high country ski area Brian Head where I spend part of two summers back in the 70's doing high altitude training. It's about 420 miles to Brian Head and under 400 miles to Salt Lake.

Danny Buntin  
 1312 N Skyline  
 Stillwater, OK 74075

DEADLINE: 14th



WHO'S ABOUT TO GET ON NEW TOWER?  
 SEE NEXT PAGE FOR DETAILS!

## SOUTHERN FM DX

JANUARY 1990

\*\*\*\*\*  
**TOWER MOVE NEWS:** Classical music nuts on the fringes will rejoice. KOSU 91.7 of Stillwater, OK after much delay is finally about ready to make the move to its new 1030' tower, perhaps as soon as this month. Tower located 7 miles west of downtown. KOSU boasts its audience will increase 5 times. They are probably not counting much of their Tulsa and Oklahoma City audiences off of the old 440' tower, currently. KOSU will have a tower mate, KSPI there since last spring. While boasting 50 kw(FM Atlas says 16 kw, though) KSPI penetrates the Oklahoma City tower farm about .45 miles away, listenably well. The station's drop to 93.7 from 93.9 apparently resulted in landing on a channel less disturbed by overloading. Good luck in tuning in these stations in '91, if you haven't already!

\*\*\*\*\*  
**A PROPAGATION MYSTERY**  
**ALLEN CONT...** Surely, there's occasional turbulence, temp. and moisture discontinuities at the mid point between Utah transmitter sites and here (the midpoint is approximately over the Utah-Colorado border). Perhaps my reception of Enid and other stations at that distance that I attribute to tr s is in fact marginal tr taking place in the lower troposphere? Meteor scatter over the 400 miles is also theoretically possible, but it's very rare to receive more than pings from such a short distance(I have only once had identifiable ms from 465 mile 96.9 Enid, for example, though I monitor that freq. more than any other (and that's my shortest ms based on my 27 years of operating ms on two meters). I'll continue to investigate this and would appreciate comments of those who have tr s experience. 73.

Matt Sittel, P. O. Box 21421, Raleigh, NC 27607

Equipment: Yamaha TX-900 U with modified filters, Archer 6-bay FM antenna, rabbit ears, Archer FM signal amplifier

11/6 tr	11/27 tr
0823 WMMT 99.7 SC Port Royal, calls	259
11/7 tr	0833 WMMT 102.1 SC Pamlico, "Mix 102" 136
2109 WNR 98.7 VA Norfolk, calls, r,\$	413
0822 WCRJ 107.3 FL Jacksonville, k, briefly in §	410
0829 WFUV 104.5 FL Atlantic Beach, "Rock 105"	259
0842 WHTK 99.7 SC Port Royal, ph#	410

November was very disappointing for FM DX, as I only noted decent tropo on 4 days. The FL duct was nice, although it lasted only about 15 minutes. Perhaps there will be some winter FM skip to make up for this! 73's.

Gus Mancuso, 5615 Inwood St., Hyatt, MD 20785

9/30 tr

0814 WRYF 102.5 PA Reading Another unusually directional situation(see 9/90 VUD). Norfolk and Philly strong, but reception weak toward Ocean City, permitting a null on WOLC.

From Cordova, MD (halfway from DC to Ocean City, MD)

11/22 (Thanksgiving)

WKNR 88.5 PA Phila(ex 88.9)

WHRQ 90.3 VA Norfolk(ex 89.5)

11/22	WHTY 90.9 PA Phila (nulled WETA)
WORA 94.3 VA Warrenton	WROC 94.3 NJ Avalon (triple #4)
WZL 100.7 NJ Wildwood(tough null on WGRX)	WTVR 98.1 VA Richmond
WVVS 99.3 VA Accomac (new station)	WSEB 98.9 MD Salisbury(new station)
WZL 100.7 NJ Wildwood(tough null on WGRX)	WGRX 99.3 VA Accomac (new station)
WENJ 105.5 NY Cape May (over WDVH)	WZL 100.7 NJ Wildwood(tough null on WGRX)
WKNR 106.9 NJ Camden (Finally made touch by stronger WAEK and WAFK, is "triple" #5)	WGRX 99.3 VA Accomac (new station)

Now a feminine look at FM DXing from potential new member Michelle Shute KC4DAY of 9766 Pickwood Dr., Pensacola, FL 32514: I wanted to report a great piece of FM DX I received on 28 Nov. I drove home from work and turned on my Panasonic RF-2600 AM/FM/SW rx. On 88.9 I heard reggae music. I knew it wasn't a local station. Then I heard the DJ speak with a Caribbean accent. I still didn't think I really had anything special. Then the DJ says "Belize City" and "Chateau Caribbean." The station I heard was on 88.9 "Friends FM" from Ladyville, Belize on 28 Nov. at 4:55 pm. Wow! I had never heard Central America on FM before, but I had seen loggings of FM DX from there before in the VUD. All I had was a whip antenna—nothing special. I taped it as proof. Then I called the DJ at the station "Friends FM" to tell him I had heard him. Of course he was extremely surprised and announced my name over the air as well as telling his audience that I could hear him "all the way in FL". I wonder if the audience believed me. Also on 88.9 I heard Spanish, but couldn't figure out where it was coming from as Belize was too strong. By the way "Friends FM" was running 10 kw! The E-skip was excellent this summer. On FM I heard WY, LA, Mexico, SD, MN. In writing the FM stations, many did not respond + I included return postage. That gets darned expensive! One DJ I talked to in ND was rude to me. He did not believe I could hear him even when I told him what I heard. Others were super nice!

\*\*\*\*\*

# EASTERN TV-DX

Bill Nienajadly  
PO Box 2999  
Clifton NJ 07015-2999  
201-478-3044 no collect calls

January 1991 HAPPY NEW YEAR!!! CUT-OFF 3 Months from deadline Deadline 2/5/91

E-SKIP ON OCT. 31 & NOV. 28!!! A big column this month with 14 reporters! Mucho tropo too!!!  
Highlites: Yingling, Nica coastal tropo at Kitty Hawk NC/ Timmerman in IN. gets 657 mi to VT!  
COMBS saw Meteor Scatter on Ch 19 (a rare happening!) /Coniglio 505 mi to IL/ Fela 477 mi to NC  
Rosenberg saw rare path 563 mi trop again! Hepburn, 470 mi to KY/ Falconer 454 mi to IL.  
Wheeler "more skip the last of Oct & in Nov than I did in Aug & Sept"/ Clifton Dxer see's NH!!!  
E-skip on 10/31 & 11/28 surprised some DX-ers, It does happen once in a while 'off season'  
Here in NJ it reached 93.3 for a breif time on 11/28. Lets hope for more E-skip!

Jeff Falconer box 63 Clinton ONT NBM IL8

Equipment: Icom R7000, 25 el log periodic at 25', rotor

August 1990

29 Tr 2329 WNDU 16 IN 277  
2230 WSBT 22 IN 277  
2234 WLLA 64 MI 213  
2337 WNE 46 IN 275

September 1990  
1 Tr 0556 WITE 28 OH 249

2 Tr 0201 WNA 21 MI 406  
0206 WSJV 28 IN 276  
0210 WOJT 58 WI 324  
0215 WTV 18 WI 324

0301 WCGV 24 WI 324  
0313 CBC 16 ON 163

3 Tr 1500 WAND 17 IL 454  
1621 WFWA 39 IN 256  
October 1990  
13 Tr 1600 WOSU 34 OH 249  
31 ES 2125 MUF to ch 5

2157 KFDX 3 TX 1133  
2158 WBRZ 2 LA 1060

Thats about it from here, more if/when it happens, 73, Jeff.

Frank Wheeler 6589 Wattsburg Rd Erie P.A. 16509

I was surprised to receive skip on Oct 31 (Halloween). I received the following;

October 1990

31 ES 2050 KSNC 2 KS 1009 31 ES 2159 WTVJ 4 FL 1110 31 ES 2200 KFDX 3 TX 1144

I also had others on Ch. 2 & 4 but no identified. I was really surprised to receive skip at this time of the year, although I have received skip in Nov, Dec and Jan. but never on Halloween.

Merry Christmas & a Happy New Year.

Fred Nordquist 7945 Boxford Road Clay NY 13041 (ELT)

Equipment: Receiver-Panasonic CT-11108 & GE ASF 2223MD, Antenna- 4 bay bowtie @ 40' AGL, Preamp-Winegard AC-4990

New stations to log since last report (11/88) (111-BN) thru 1989: \*W18AL-18 NY, CICA-44-ON, WOCD-55-NY, WNEQ-23-NY  
CICA-42-ON, CFOS-49-PO, WETX-33-VT, CIMA-17-PO, \*W5R-43-NY, \*W50A-35-NY.

\*- Jukebox Network (These pest are messing up Ch 11/13/15/18/36/43/53/54)

May 1990

79 GM 1737 \*W13AL NY 006  
1737 \*WTTBP NY 005

JUNE 1990  
17 Tr 0030 W38AM NY 73  
30 GM 1805 \*W54AL NY 15

JULY 1990

7 Tr 0015 \*W15AL NY 73  
0017 W40AG NY 73

10 Tr 0032 \*W53AM NY Utica

11 Tr 0930 WMRX 45 NY

(Fred, it is in Schenectady-8N)

September 1990

7 Tr 0800 CBLN 45 ON  
October 1990  
15 TF 0015 WQEX 16 PA 272  
16 Tr 0005 W598V NY 73  
29 Tr 2240 WUPN 36 ON 391

ES was noted on: May,26/27/28/29/30/31..June, 1/2/3/9/10/14/19/20/25....July, 3/6/7/8/17/18.

Totals up to 331. I need Ch. 24 & 68 traps to eliminate overload from WCHY & WSYT. 73 Fred.  
(Fred, WCHY gives me no overload here, in fact I barely see them much..HII. Tell Bill K. I said HII-BN)

Bob Seybold 10567 Bennet Rd. Dunkirk NY

November 1990

2-Trops-good signals to north (Canada) and east, some to west but not much. Strong signals from Ontario U's-15,18,19, 20,22,24,27,29,30,32 (Kingston), 34,35 (Montreal), 38,40,42,44,45,51,53 (2),55 (2), 56,59,61. Also in good-Water- town U's, Syracuse, Utica, Elmira, Binghamton, Scranton, also Pittsburgh and WAP-15 Parkersburg.

22-Trops-major opening noted about 2030 when I returned home. Super signals from all South Bend, Elkhart U's, Ft. Wayne U's, Chicago 26,32,38,44 & 60; Rockford 39, Michigan U's strong: 14,19,20,23,28,31,35,38,41 & 47. Kalama- zoo 52 also in- Milwaukee 58 also. (Bob's report continues on the next page-BN)

## Eastern TV DX

JANUARY 1991

Bob Seybold continued

22 Signals shifted slightly later with almost entire state of Ohio in-super signals on 14,16,17,18,19,20,22,23,24,25, 27 (2),28, 29 (Akron LPTV over Buffalo 29-new),30,34,35, (1ime) over Erie 35: 36,41 (LPTV in Sandusky): 42,44 (Lime) and Cambridge both strong at times: 45 (Dayton) very strong: 47 (Mansfield LPTV): WOET 48, WSOB Mansfield: Newark 51, WGN 52, Chippewa 53, Bucyrus 54 (LPTV), 59 Ashland LPTV: 64 Cincinnati strong (rare), WOAC 67 strongest ever seen it. Also Indiana U's- Bloomington 42,63 excellent: Richmond 43: Indianapolis 20,49,59 all strong: WFE 14 rare, Layfayette 18, Kokomo 29, Marion 23: Muncie 32 (LPTV),, Indianapolis 47 (LPTV): Belpointer 111 43 briefly- Fox 29 Tennessee: Kentucky U's 15,32,68: Lexington 36, 52 (Owenton), 54 (Covington)- Moorehead 38: also Terre Haute 36: WPTV

23 (Bob I assume when you say next AM you mean the 23rd-BN)

Next AM- Many of the above in plus... Kentucky U's- Lexington 18,27,46 (strong) Louisville 21: Portsmouth 21 (LPTV)- 49, WKY 56 strong: WKYT 23: also 34,53. KY: Hazard 57, Pikeville 22, Somerset 29, Nashville 30 very strong- Tennessee 22 WOSI-61- Tenn. 43, Mystery 22- TBN to south: LPTV's (ohio) on 63,65,69,58 all Ohio educational translators: also Jackson 16- Tenn: also WNDI on 60 (ohio LPTV): 50 to the south, 62 to South, 68 LPTV to the South, also Kentucky U on 51, -opening ended about 1030 EST.

Many of the Kentucky and Tennessee U's as strong as I ever seen them, covering channels normally covered by others.

73's Bob

Tom J. Yingling Jr. KA3TCC 221 Pinewood Road Baltimore MD 21222-2345

TV DX equipment used:

At home: Sony Trinitron KV-1214 12" color, Teknika 6510, Winegard P.A. UHF preamp on Channel Master 6 foot dish up 50 feet, Channel Master Quantum 1114 VHF only antenna

At Kitty : Sony Trinitron KV-9200 used with Teknika 6510-T, Casio TV-1000 2.5 " color led, Sony Watchmen FD-10A Hawk, NC : Sony Watchmen GV-9 4" color L.E.D. screen with 8 mm ver, Channel Master 3 foot corner reflector on vacation : tripod in Hotel!, Winegard P.A.-8275, Winegard AC-4990, Blonder Tongue QMA-ub

At Home:

September 1990

5 ES 2130 WEDU 3 FL  
2330 KMOS 6 MO  
2335 KMVO 4 MO  
1830 WCIX 6 FL  
2200 C 6 3 CUBA  
Ch 6 Net News  
2245 KOTV 6 OK

5 ES 2245 KTVY 4 OK  
6 ES 1830 WCIX 6 FL

1830 WEAR 3 FL  
1830 WEDU 3 FL  
1830 WCIX 6 FL  
0830 W42AJ DC  
0831 W35AB 42 PA  
0911 W34AX NC  
Henderson NC

11 Tr 0930 W73AS VA

Oak Grove VA  
0945 W48AH DC  
0946 WGGT 48 NC-5/f  
2030 WJCB 49 VA  
2200 WYBE 35 PA  
Hvy cct 1 to WRLH-35-VA

All (below) logged at Kitty Hawk, NC

September 1990

6 Tr 0014 W51BH VA  
0014 WYED 17 NC  
0020 WPDE 15 SC  
0025 WNET 47 FL  
0026 WMDT 47 MO  
0030 WJKS 17 FL  
0040 WGGT 48 NC  
0100 WHSW 24 MO  
0100 WHRO 15 VA  
0100 WCCB 18 NC  
0100 WTAT 24 SC  
0105 WJCB 49 VA  
0120 WCNC 36 NC  
0125 WAMS 30 FL  
0200 WOLO 25 SC  
0214 WACH 57 SC  
1100 WUNN 19 NC  
1330 WGN 27 VA  
1400 WRLH 35 VA  
1600 WUNK 25 NC

6 TR 1630 WETA 26 DC  
1635 WJKA 26 NC  
1700 WTVI 33 VA  
1800 WFTY 50 DC  
1900 WUPN 36 NC  
1905 WEFC 38 VA  
1910 WUNJ 39 NC  
1915 WNGH 40 NJ  
1920 WTVI 42 NC  
1925 WGSE 43 SC  
1930 WNC 23 SC  
1940 WBFF 45 MO  
1941 WNRV 45 NC  
2000 WLFL 22 NC  
2005 WJZY 26 NC  
2015 WPTF 28 NC  
2015 WNJ5 23 NJ  
2015 WVTB 29 VA  
2030 WCPB 28 MO  
2100 WMPF 22 MD

6 Tr 2125 WNYC 31 NY  
2126 WNVC 56 VA  
2128 WGBS 57 PA  
2130 WACH 57 SC  
2134 WJJB 58 NJ  
2141 WLXI 61 NC  
2146 WFCT 62 NC  
2148 WNSP 65 NJ  
2149 WTKK 66 VA  
2150 WNSA 67 NY  
2154 WOCA 20 DC  
2200 WHSE 68 NY  
2200 WLIW 21 NY  
2215 WLIG 55 NY  
2230 WJCL 22 GA  
2300 WNTJ 52 NJ  
2300 W20AL NC  
Wilmington-TEB  
2310 WMMV 54 MD  
2315 WMM 32 DC

Comments: We changed pre-amps to see which one was better. I think the QMA-ub was the best. The lead in was only 20 ft or less. We tried different places in the hotel room for best results. The trip John Combs was up in Duck, NC with Jim Alexander. We didn't have any VHF antennas, but they did. I hope to try to report more often, 73's t111 later. Tom

Bob Zimmerman, 1210 DeSoto Ct., Auburn IN 46706 EST year round.

## SEPTEMBER 1990

4 Tr 0050 CFTO-9 OM 330	4 Tr 0212 CFMT-47t OM 330
CBLFT-25 OM 330	"cable four"
CITY-57 OM 330	0231 CKCO-11 OM 398
0130 WAKK-33 VT 657	0330 WHEC-10 NY 402
0149 CICA-12 OM 295	0401 TVO-51 OM 348

Distances are from John Combs' DX printouts.

The reception of WETK was quite a surprise! They were showing a Jerry Lewis movie (with no commercials, of course). Before signing off, they gave a phone number for comments about Vermont ETV. I received a nice QSL from them in about ten days. I'm still using rabbit ears and a four-bay UHF indoors.

I haven't had a lot of time for DXing because I've been very busy with school. I graduate in December 1990 with a B.S. in electrical engineering from Purdue U. at Fort Wayne.

Auburn's LPTV, W07CL, is on the air 24 hours a day. They have a zero offset and are affiliated with Channel America.

John F. Combs N4SFS, P.O. Box 7581, Tallahassee FL 32314.

(904) 878-5317

## NOVEMBER 1990

(5 Tr 0001+) WMAH-14 MS (308), WMAH-19 MS (279), WXXV-20 MS (286), WIZH-24 MS (292), WLBW 30 MS (292) (Tr 2342-0039) Above stns plus WLTX 19 SC (325), WLOL 25 SC (314), WRLX-35 SC (319), WACH 57 SC (313), WAGT 26 GA(34) (250), WCB 18 NC (391), WNCN-36 NC (391), WB 16 Tr 0648 0720) WFLA-33 LA (417) weak, Biloxi U's, W61BL Tampa FL (Univision) (2023 (2025-2200) KLT 18 LA (520), KLPB 24 LA (484), KVHP-29 LA (533), WGNQ-26 LA (340), WNOL 18 LA (340), WPTX 36 FL (291), Biloxi U's and many unIDs (Carlton had the best stuff - lots of TX stns and from 2130 to 2200 Huntsville AL W's snow-free. I hate him.) 17 Tr 0615-0700 Central and South FL great, including WNSB-40 FL (228) before local a/b, WSFP-30 FL (291), WINK 11 FL (292), WETV-26 FL (318), WTVX-34 FL (326), W68- Tampa FL (VJN) (2030-2100) Tampa U's excellent including W61BL W35AJ (Channel America) (207), also Ft Myers U's including W24AA Ft. Myers FL (298) in through a mess of CCI probably caused by two closer LPTVs in Tampa and Sarasota (11 Tr 0115) Ft Myers U's (0803 0930) Mobile/Biloxi/Hattiesburg excellent, WGNQ-26 LA, WNOL 38 LA and three new LPTVs WAGAT Pasco/area MS (78M) (254), W48- Destin FL (tourist channel), and W63- Pensacola FL (TRN) (173) after all I had f/out I was watching a very weak unID-19 in all by itself (w/Tennessee Tuxedo cartoons) when, at 0916, I saw what appeared to be the first meteor burst even seen by me on UHF!!! A 2-second burst of CCI (video) and audio (dialogue) covered this weak unID! That must've been one helluva meteor! (12 Tr 0720) WGNQ-26, WNOL-38 (2250) Ft Myers U's (13 Tr 0645-0835) Biloxi 19/25, New Orleans 26/38, WLT 22, W46AV, W63-, WAPT-16 p.m. three New Orleans newies WVEU-8, WYES-12, WLA-32 (341) (17 Tr 0750-0815) Among others WCF 33 AL (267) and an unID-22 with TBN-I think this is Columbus GA (one of these days I'll drive up there to verify...)

Not too bad for balcony antennas. The configuration of the antenna setup results in a narrow area (about 45 degrees) always yielding the best signals, no matter what direction they come from. VHF here is beset by massive CATV CCI, and a signal has to be very strong to override it. No super-Gulf tropo like that which greeted my first two nights here in October, but a couple of good days to LA and some interesting LPTVs, as well as the freak ch 19 MS burst, kept my interest up to a reasonable level. After about a month of active DXing here, my log is up to 125 stations, and 15 of these are LPTVs. So I believe I'll have a shot at some decent DX at this QTH for a few years until I can afford to buy a place. Then it'll be "TOWER TIME"!!! (Well, I can dream, can't I???)

Greg Coniglio 5100 Glenwood Drive Williamsburg NY 14221

Equipment: Emerson ECR 157 TV, Teknika TWC 22 tuner, OM rotor, VHF Jerrald 10 element, UHF: 4 bay &amp; 20 db OM amp

## October 1990

29 Tr 2230 Youngstown U's + WFWA 39 Ft Wayne

30 Tr 0700 WPMF 43 PA 235

31 ES --- MUF ch 6 2100 KSWM 3 KS 1064

## NOVEMBER 1990

T Tr 2100 Detroit, Toledo, SW Ont

19 Tr 0800 Youngstown J's

21 Tr 1020 WBRE 28 PA 192-rare 22, 38, 44, also in

1030 W63AU PA 187 (Pittsburgh HSN)

1035 13, 16(t), 22, 40, 53,

21 Tr 1035 Pitt. excellent 1600(WNTI) 50 NY 150 ex. WFYF

22 Tr 2100 WGET 48 OH 2300 WSFJ 51 OH-ns/f

23 Tr 0000 WOSU 34 OH-s/f

0104 WICD 15 IL 505

0137 WKRC 12 OH 405

0235 CBOT 19 ON Barrie's Bay CBC

23 Tr 0301 WBNS 10 OH 0919 CIVO 30 PQ 230

0930 WKLE 46 KY 440

0940 WTAP 15 WV 470

0941 WPTX 11 PA-18?

way over CHCH

1000 WQED 13 PA

snow free

WPTT-22 also snow

- free (Note#1)

Note #1. Many more stations seen during "Thanksgiving '90 opening". In addition to those listed, at times Detroit, Toledo, NE Ohio (Akron, Cleveland, Youngstown), and SW Ontario were all completely local like. After WNEO-23 went off, WNEC-23 was being picked up snowfree on the cable. (Now BN) VHF channels looked like skip the whole night, with seemingly 3+ stations on each channel, the signal strengths in this opening were amazing. It was going strong until 10:30 AM Friday when it just died out. I am looking forward to what other DX-ers saw during this opening. I would like to wish everybody a happy 1991! 73 Greg

Paul Mount Box 126 Lincroft NJ 07738

## November 1990

27 Tr 1824 WSBK 38 MA

These were seen while FM dxing mostly CT/MA: Rich Shaftan had a fine Boston opening at this time.

Equipment: Sanyo 21C100 13" color, Teknika TWC-22 tuner, Archer UHF -antenna hanging in window.

27 Tr 1830 WTX 20 CT 1900 WHAI 43 CT -paid 1/2 hr show. (Paul, they run a very limited schedule often off by 1800 or so-BN)

Frank Wheeler 6589 Wattsburg Road Erie PA 16509 Report #2

## November 1990

28 ES 1430 WEDU 3 FL 891

28 ES 1500 WPBT 2 FL 1110

28 ES 1700 WESH 2 FL 908

I have received more skip the last of Oct. and in Nov. than I did in Aug &amp; Sept. 326 rec, 220 Veries Good DX'ing, Have a good Christmas, Frank Wheeler

Jeff Wolf 1131 University Blvd W. Apt 701 Silver Spring MD 20902

## October 1990

30 Tr 0730 UNID 22

31 ES 2208 MUF 4

2210 NBC 3

ABC 2+

2240 MUF 3

2250 MUF 2

3 Tr 0128 WPTF 28 NC 251

3031 WQNT 27 VA-s/off

3033 W34AX NC 202

3035 WRLH 35 VA 111-s/f

0533 WPTF 28 NC 251

0607 WKBN 27 OH t

0625 WKFT 40 NC 265

0628 WYED 17 NC 248

7 Tr 1900 WPTD 16 OH t-cci

0532 W44AA WV 60

0533 WPTF 28 NC 251

0620 WKBN 27 OH t

0625 WKFT 40 NC 265

0628 WYED 17 NC 248

15 Tr 0710 WKBN 27 OH t

0736-WNYC 31 NY 19

NYC 41,47cci WLIG-t

also WLW-21 t

16 Tr 0023 CCI 2

3 Tr 0632 WUNP 36 NC 195

0648 WLVT 39 PA 136

ID 3/4 cb

0700 W34AX NC 202

0740 WLVF 39 PA cci

WTFX 29 PA+VA 29

3030 W34AX NC 202

0301 WQNT 27 VA-s/off

0303 W34AX NC 202

0305 WRLH 35 VA 111-s/f

0306 WYED 17 NC 248

0608 WRDG 16 NC 251

0609 WYED, W34AX

7 Tr 1900 WPTD 16 OH t-cci

0548 WIRE 7(OH) 235

Wheeling WO

(t/c w/WKBW)

0552 W60AC 60 NY 98

Findlay Lake

(x1tr WNEA-17)

0643 WFWA 39 IN 335

Pt Wayne (PBS)

28 ES 1650 WEDU 3 FL 1100

1701 MUF 6

1706 WPBT 2 FL 1220

Comments: Good tropo on the 22nd/23rd behind a slow-moving cold front. Had to go to work at 0700 while DX was still strong. Co-workers were surprised to see WIAF-15 and WKEF-22 coming in on the office monitor.

syntv-3m, Bill

ED NOTES I'VE NEVER HAD A MINIMUM MILEAGE REQUIREMENT FOR REPORTING TROP RELOGS, AND I NEVER WILL. EXCESSIVE REPORTING OF THE SAME STATIONS MANY TIMES &amp; MONTH, MONTH AFTER MONTH REGARDLESS OF 50 OR 300 MILES WILL BE EDITED DOWN. I FEEL THIS IS FAIR TO ALL AND DOESN'T DISCRIMINATE THOSE WHO SEE DX LESS THAN 150 MILES. I DON'T WANT TO DISCOURAGE ANYONE FROM REPORTING. YET I MUST DO MY JOB AS EDITOR, SO I FELT SINCE TAKING OVER AS ETVD EDITOR, I HAVE FOUND THIS OPEN PO. ICY TO THE MOST LIBERAL I COULD THINK OF. If you disagree, please write &amp; tell me-BN

THANKS FOR UNDERSTANDING! Bill

Fred McCormack  
Box 9077  
Prairiewood Station  
Fargo, ND 58106-9077

Deadline: #01-31-91  
Cut-off: 11-01-90

# WESTERN TV-DX

January 1991

I received a note from Chris Hanley advising that Jeff Kadet had ID'd his September 3 mystery logging of WFIE-14 on 88. It was W65BV Springfield, Illinois (primary WBEC-14).

William Draeb, Ellis St., Rt. 82, Keweenaw MI 54216 (414-388-2350)	COT/CST
October 1990	21 tr 2048
26 tr 2136 WEVV 44(KY) 455	WTVJ 4 FL
WUSI 16 IL 390	WPBT 2 FL
WVUT 22 IN 400	WCPX 6 FL
WORB 41(IN) 430	WJXT 4 FL 1030
WZDO 2 SC 900	2200 W45AJ 45 IL 165
WCIV 4 SC	W62BU 62 IL 170
WYFT 4 SC	(Rockford WFTO-36)
W45AJ 45 WI 165	W68BP 68 IL 170
(Rockford CHA)	(Rockford WFCO-38)
W45AJ 45 WI 165	WNSL 46(MQ) 427
(Rockford CHA)	KDNL 30 MO 432
Es 2036 WDIV 2 AL 880	KPRC 2 TX 1115
WTWV 4(FL) 940	WBRZ 2 LA 995
WEU 3 FL 1185	9 tr 1820
WRBL 3 GA 850	KATC 3 LA 1030
WUFT 5 FL	27 Ex 1724
2047 WEAR 3(AL) 885	KOMAC 2 ND
2049 WKRG 5 AL 950	KNSE 4 ND
8 tr 2130 K41ADC 41 IA	KYUST 3 MT
	KOUST 4 MT

Dennis Park Smith, 3703 Dixon Street, Santa Barbara CA 93106-2419

It has been awhile, huh -- maybe fifteen years or so. Although I am now in Santa Barbara, I would like to "catch up" with general conditions (even without DX'ing seriously) where I lived from 1975 until February 1990, if I may be allowed to use your space permits.

Paradise (15 miles east of Chico) sits on a ridge in the Sierra Nevada foothills in northern California. Our house was at 1990' asl, approximately 1750' above the Sacramento Valley. Good location for consistent ground wave and tropo, but not as good for E skip as Chico (approximately 250' asl) would be. Big Channel Master all channel antenna was on top of 100' pine tree, but pointed southwest and no rotor. Extra tree height helped with UHF, but made little difference with VHF over a 20' pole. Distances are approximate.

The one STRONG local was 12 Chico (12 mi). Strong enough to be snow free were 24 Chico (40), 7, 9 Redding (75), 3, 6, 10, 13, 31, 40, 68 Sacramento/Stockton (105), 50 Santa Rosa (90), 43 Concord and 64 Stockton (125). Usually fair were 2, 4, 5, 7, 8, 14, 20, 26, 32, 38, 44, 60, 68 metro San Francisco (145) and 3, 6 Eureka from back side (135). Following were much affected by tropo. Snow free as often as poor, but always there: 19 Modesto (140), 36, 48, 54 (156) and 66 (175) San Jose; 11 San Jose (175) would have been except sandwiched between 10 and 12. Non-consistent, seen occasionally by tropo (generally up to fair-good) were 8, 35 Salinas (200), 40 Monterey (215), 21, 30, 47, Fresno (225), 15, 24, Fresno (245) before locals existed, 26 Visalia (260), 17, 23, 29, 45 Bakersfield (335), and 6 San Luis Obispo (300).

More interesting was translator/LPTV DX. Nearby snow free ones were 5 Paradise (for 7 Redding, 4 mi) and 18 Oroville (24 Chico, 10). Poor, but consistent were 8 Oroville (7 Redding, 15), 51 Palermo (31 Sacramento, 25), 4 Bieber(?) (12 Chico, 90), and these from Lakeport: 62 (12 Chico), 58 (2 Oakland), 60 (3 Sacramento), 62 (6 Sacramento, 30 San Jose overnight), 64 (13 Stockton), 68 (10 Sacramento) (80). Seen occasionally on tropo, up to fair when in, were 62 Placerville (TBN, 86), 25 San Jose/Santa Cruz (54 San Jose, 175), 29 Salinas (30 San Jose, 200), and more rarely 57 and 59 San Jose and Hollister (48 Monterey, 175, 200). The best such DX was for most of a week in November 1989 (not before or since): 34 Fresno (42 Concord, 215), almost snow free, and 86 Hanford(?) (or Fresno area) (TBN, 215) poor-fair.

Occasional E skip there over the years was identified from such places as Denver, Midland, Texas, western Canada, Albuquerque and Spanish from Mexico, generally on channels 2 and 4. All this is from memory as nothing was written down. Translators / LPTVs, especially, are in a 'half-blind' situation without much in way of station list. A few on-air calls of translators were noted, but not here to save space. Next time: some recent activity in my old home town of Wasco, California. Best of DX to all.

(Good to hear from you! For newer members information, Dennis started the Western TV/FM column in January 1988 and edited it through August 1990. fm)

Eastern TV DX January 1991  
Joseph Fela -150 Robert Place - South Plainfield, N.J. - 07080

Equipment: B.E. monitor, Antennascraft P-7 dish @ 35 ft., Winegard PA-4975 amp, rotor.

September 1990	6 Tr 0651 WUNJ 39 NC	7 Tr 2059 WGBX 44 MA 213
28 Tr 0037 W25AA 25 VA (Orancock WMRD-15) 210	(NCPT color bars with ID for tower right). 477	2200 Boston 38-56 + Marlborough-66 in
29 Tr 0000 WTVZ 33 VA (Fox 33) 275	0700 W518W 51 VA	8 Tr 0100 Boston 25 and 56 (Gloucester - Channel America) 246
		0730 Boston and Hartford (but not Springfield) exceptional.
	0714 WCVB 23 VA (color bars with WCVE-WHTJ ID). 264	0717 W48AH 48 DC
	(Washington - Univision)	21 Tr 0035 W26AD 26 PA 56
	0727 WMYF 56 VA 194	(Allentown WNEP-16)
October 1990	7 Tr 0629 WOLF 56 PA	November was a bust on UHF. Only the usual stuff + a few openings to Salisbury and Norfolk. 73, Joe
6 Tr 0615 Norfolk 15-27-33 good + WRLH-35 VA s/f at times	0644 WUNP 36 NC 334	7 Tr 0633 WJCB 49 VA (color bars w/call, much weaker than the other Norfolks). 275

Joel Rosenberg 19 Glenayr Rd	Richmond Hill ONT L4B 2W3 (416) 884-8454	
September 1990	20 Tr 2300 Detroit U's 200	22 Tr 2000 WKEF 22 OH 375
27 Tr 0748 UNID 38 HSC	29 Tr 2000 WGTE 30 OH 250	WGRT 45 OH 375
WSFJ 51 t	WBSX 31 MI 230	2010 WOSU 34 OH 325
2245 WETK 33 VT 330	2055 South Bend U 16,22,46,ads	JNIDS 40,46 religion
2305 WVNY 22 VT 330	2100 WGET 48 OH 420	2030 WXIR 59 IN 440
28 Tr 0740 CIII 22 ON 200	WKEF 22 t	2036 WDAK 67 OH 235
October 1990	2102 UNID 63 HSC	WBSX 31 MI 230
3 Tr 0740 Detroit,Clev,Syr,H20town U's	2107 WOSU 34 OH 325	WNDU 16 IN 380
0740 W38AW NY 411 NY Net	WRGT 45 OH 375	2100 WMEH 46 OH 380
11 Tr 2300 Akron,Youngstown U's	2111 UNID 66 FOX Flint?	2102 WSBT 22 IN 380
13 Tr 1850 Cleveland U's	2123 WFMF 28 MI 225	2125 WGN 52 OH 235
2300 Youngstown U's	2202 WEMT 39 t see note# 2	2127 WSTR 64 OH 420
14 Tr 0800 WOSU 34 OH 325	2300 WETE 28 OH 325	WCET 48 OH 420
0828 WVNY 22 VT 330	Akron, Youngstown U's up	WFNA 39 TN t
0833 WKMR 30 PQ 230	2313 WGN 52 t	WBGU 27 OH 295
0839 WKLE 46 t	30 Tr 0730 WYDU 22 PA 250	2143 WETE 28 OH 325
0900 WETK 33 VT 330	WBRE 28 PA 250	2145 WIIB 63 IN 465
0905 WKOM 52 t	WVIA 44 PA 250	2230 WSFJ 51 OH 310
0933 UNID 42 PBS	MLYH 15 PA t	2233 WFIE 14 t
0945 UNID 36 religion	31 Tr 2030 Erie,Syracuse,Utica U's	2358 WSOBE OH 245-s/
Note 1-0948 WEMT 39 TN 563	November 1990	23 Tr 0000 WDNX 52 KY 460
1000 WKMR 39 KY 440	17 Tr 2100 WYTV 33 OH 200	WCVN 54 KY 420
1000 WCET 48 OH 420	2100 WUAB 43 OH 200 band dead	0021 WHIZ 18 IN 300
16 Tr 2300 H20town,Syr,Utica NY	21 Tr 1600 CIVO 30 PQ band loaded	0028 CIVO 30 PQ 230
8 Kingston ONT U's	1700 WICZ 40 NY 210	0030 WSTR 64 OH 420
20 Tr 1130 WBRE 28 PA 250	WSKG 46 NY 210	0540 WHIZ 18 IN 300
Scranton 16,22 t	2100 WMGC 34 NY 210	UNIDS,Relig 19,33,Shop Spruce-28
2000 Rochester LPTV 15,38,40 22 Tr 2000 Band loaded	0550 WTAP 15 OH 325	0654 WLW 44 OH 320
2200 CJ2093 42 ON 120	2000 WPTO 14 OH 405	0659 WANE 15 IN 345
Note:# 1 Last report I was raving about seeing TN, & here it happens twice more!	0730 WFUM 28 MI 225	WSTR 64 OH 420
	UNID 14 NBC	

Dude from Jersey PO Box 2999 Clifton NJ 07015-2999

Equipment; A TV, ANTENNA AND SOME WIRE.

November 1990

27 Tr 1840 Boston 38-56-66: 1920 York 43, Binghamton 34 + others.  
28 Tr 0100 Boston up again plus WNDX 50 NM 260 whoopee, another TV state.need Maine now!  
28 ES 1720 MU to 93.3 to LA opening rapidly faded after this.

Comments: Today is 12/10/90 and nothing much in the way of DX...yet. I need Maine now on TV & FM to complete the U.S. Northeast. Maybe in 1991 Goodxing!-BN

# T.U.C.C.I.

## [UNIDENTIFIED DX]

John F. Comba, NASFS  
 P.O. Box 7581  
 Tallahassee FL 32314  
 \*\*\*NOTE NEW ADDRESS\*\*\*

### "THE ART OF THE 10" (Part II) Using the Telephone to Track Down UnIDs

The modern U.S. phone system is a wondrous thing. Even with the confusion and complications wrought by the breakup of old Ma Bell, it is still the most complex, complete, reliable phone system in the world. Yet many DXers never pick up the phone in an attempt to solve their unidentified loggings.

Invariably, the reason given for this is usually the same: the notion that phoning long distance "costs too much" to use for this purpose. In reality, long distance phone service is an incredible bargain if you keep your calls short and to the point, and make educated choices about who to call, and when.

The most obvious use for the phone is to call a suspect station to confirm programming details. Many shy away from calling a DX station because they dread the inevitable necessity of explaining what DX is, and why they're calling from hundreds of miles away. The average receptionist taking the call is probably thinking "weirdo" and will do whatever it takes to get rid of you. Not always, but often.

The answer to this is simple: DON'T MENTION DXING WHEN YOU CALL!! Be creative. Pretend you're a local. You can even affect a regional accent if you can do it convincingly. Phrase your questions carefully and leadingly, such as "Gee, that's a real good movie you have on there, but I tuned in late and missed the title. Could you tell me the name of it so I can look for it at the video store?" Or, "Wow! I really like that program you had on at 11 this morning...what was the name of that again?" If the response is the name of the movie or program you logged, you're in luck. If they answer negatively or hesitantly, like "Er...we didn't have a movie on this morning...are you sure it was THIS morning?" you know you're barking up the wrong tree. Hang up. Either way, the whole phone call should take about 3 minutes, max. To make sure you get the proper person right away, ask specifically for the programming department when you call.

Another useful way in which the telephone can be a tool for obtaining an ID is calling businesses that are advertising on the UnID station. Suppose you see an ad for "Murray's Mortuary" with a phone number of 555-1234. You've already narrowed the PTA of the opening to a few states. Get out your phone book and see which area codes the possible stations lie in. Dial that number with each of those area codes. If the number is not a working number in a given code, or has been disconnected, you pay nothing. If the call is answered by a business or individual other than Murray's, hang up. You'll be charged for a one-minute call. If the person who answers the phone greets you with "Good Morning! Murray's Mortuary. May I help you?" you've basically made an ID! After all, even if Murray has a chain of mortuaries in different states and area codes, the chances of two of them having the exact same 7-digit number are astronomical. And best of all, the most you've spent is 2 or 3 dollars on a few one-minute calls.

LPTVs present a special challenge. Many are really just passive translators for satellite programming, and have no local phone number. Even if the LPTV has a local phone, it will not usually be listed under its actual calls. If you note them using a slogan or pseudo call letters, try those. One way to try to track down an LPTV is to call the television or entertainment editor of the local newspaper in a suspect city. Many of these individuals are videophiles of varying degrees of commitment, and may well know about an obscure LPTV or translator of which most of the general public is ignorant.

Finally, use the phone to call your fellow DXers. If there is an active DXer in the PTA of your UnID, try directory assistance for the number. Personally, I wish more DXers would include their home phone numbers in their reports. I understand the concern that some have about unlisted numbers and privacy. However, the UnID has a very limited circulation, and is of interest to a very limited group of individuals. I doubt that unwanted or annoying calls would result from listing your number in the UnID. I've had an unlisted number for many years and have always published it in the UnID. I've never had a problem with annoying calls, and nobody's ever given my number to any salesmen either.

These are just a few examples of how you can use the telephone in tracking down unIDs. There's most likely a phone in your DX shack...use it!

### UNIDENTIFIED LOGGINGS APPEAR ON THE NEXT PAGE, AFTER THIS BRIEF MESSAGE FROM OUR SPONSOR:

**DX DISTANCE PRINTOUTS** still available, still as good as ever! Imagine having a printout of your exact distances to most North American TV stations right at your fingertips! All it takes is \$7 U.S. mailed to the address at the head of this column. Include your exact latitude and longitude. Soon an overpaid postal worker (I should know, I used to be one) will trudge up to your door through rain, snow, sleet, hail, etc. and place your DX DISTANCE PRINTOUT in your mail receptacle. They make great holiday gifts, too! Order one for all your friends and co-workers! (They won't know what the hell it is, but they'll appreciate the thought...) Cash, check or money orders accepted. Allow from 3 days to 3 weeks for delivery. (Hey, I have a weird schedule. I'm doing the best I can.)

Several comments and tentative IDs sent in will have to wait until next month due to lack of space! They will appear next time. Promise. Scout's honor.

TV-CCI

### UNIDENTIFIED LOGGINGS

Robert S. Ross, VE3JPC, Box 4373, Station C, London ON N5W 5J2

Sun Aug 12 Tr ch 30 0230 EDT --- End of movie. CBC-TV ID w/list of CBC stns on screen, then anthem and off at 0235. Was //chs. 40/45. Greg Coniglio says it could be image/mixing due to strong tropo. (Possible. Channel 45 would image around channels 30/31 if it was particularly strong. Nevertheless, there could well be yet another new Canadian UHF on--jfc)

Doug Smith, W9WI, 3105 Oakridge Ave., Madison WI 53704-5848

Mon Sep 3 Tr ch 14 2300 EDT --- Easter Seals Telethon. Both stns too weak to read local numbers. PTA: OH, ON. (Sure it wasn't the Muscular Dystrophy (Jerry Lewis) Telethon? I don't think Easter Seals does theirs on the same weekend--jfc)

Wed Aug 29 Tr ch 30 evening --- Channel America affiliate. PTA: Chicago area.

Joseph Fela, 150 Robert Place, South Plainfield NJ 07080

Tue Sep 4 Tr ch 25 0715 EDT --- Unusual bar pattern. Pgmg start around 0730 in French. Man and woman with a morning show (Could be CBLFT in Toronto or CFVS in Val D'Or PQ, which relays CFJP-35. Any ideas, Canadian members? Does either one have a "morning" type show at the time indicated?--jfc)

Wed Sep 5 Tr ch 28 0255 EDT --- Home shopping 28 was not WARE and 30 was not WNT. PTA: OH, KY or ??? (A few questions: were these // to each other, were they Home Shopping Network affiliates, or were they running Home Shopping Spruce, which is HSN's service for non-affiliates?--jfc)

Saul Chernos, P.O. Box 621, Orillia ON L3P 6X5. (705) 327-7809

Fri Aug 3 Tr ch 33 0815 EDT --- "CBC OTTAWA" test pattern. ch 42 0817 EDT --- TVOntario. (These are most likely CROT-33 and CIC093-42, both in MacArthur Mills ON--jfc)

Tue Aug 21 Es ch 4 2330 EDT --- "KXA" news, mention MN. FM-DX to MN at the time. (It's KXH-4, Saul--jfc)

Frank Merrill, P.O. Box 669, Macomb IL 61456

Thu Sep 6 Tr ch 39 0436 CDT --- RETMA test pattern, no calls, faded just before 0500. PTA: MN, extreme west WI, NW Ontario, Manitoba. (Gosh, I haven't seen a RETMA in years, Frank. It's not a very common TP these days, so hopefully will be easy to track down!--jfc)

Sun Sep 9 Tr ch 7 0427 CDT --- "O Canada" s/on, then James Robison ministry. Offset zero. No English stations listed on 72 in Ontario. (But what about CIIIT-7, which is not in the WPTDA Station Guide? I don't know if they are zero, but this sounds like Global, since CBC and CTV aren't noted for carrying evangelists like Robison--jfc)

Sat Oct 20 Tr ch 52 0130 CDT --- TBN from southwest. PTA: Ozarks, eastern MO. ch 39 0400 CDT --- Family Channel from southwest. Same PTA. (Both may be Springfield MO. K39CI has "Christian Life Center" for permittee and K52DH has "John Wayne and Kathryn..." listed as permittee. Try calling the Springfield paper, or check Directory Assistance for listings for the permittees--jfc)

Michael Reid, 1408-65 Spring Garden Ave., North York ON M2N 5H9

Tue Sep 4 Tr ch 66 2210 EDT --- Full bar TP (6 bars, I think). W66BV w/loss of feed? WSMH? PTA: northwest OH or eastern MI.

Thu Sep 6 Tr ch 51 1445 EDT --- What looked like a few seconds of a rock video or 900 number ad surfaced briefly. One scene had a thick, dark border around the screen with a head-shot of a man in his twenties. VJN? Definitely not CICA51, CROT4, or WSFJ. Maybe a promo clip on HSN? PTA: south or south-east direction

ch 61 1452 EDT --- Cartoons in EE. Definitely not WQHS or CBLFT8. Same PTA

John F. Comba, P.O. Box 7581, Tallahassee FL 32314 (904) 878-6317 (HIGH PRIORITY LOGGINGS)

Sun Oct 14 Tr ch 46 1145 EDT --- VJN affiliate in briefly. LA stns strong. Carlton Howings says he IDed this as Baton Rouge last year, but 1990 TV Factbook shows VJN on another channel in Baton Rouge. Ron LeBlanc confirms it as being somewhere to his north.

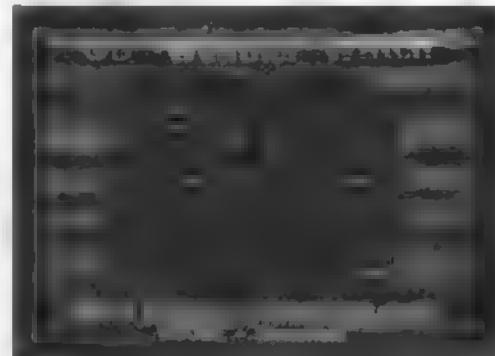
Mon Oct 15 Tr ch 10 0500 EDT --- Spanish ECO affiliate, running //XERV-9. Could this be Monterrey or does KATV 10 run ECO in the wee hours? T OF SPACE AGAIN. MORE NEXT TIME. IT'S BEEN REAL

# PHOTO NEWS

JANUARY 1991

Starting off the new year is Jeff Kadet - Macomb, Illinois. See the December 1990 VUD for Jeff's DX equipment.

W50BE  
Mansfield, Ohio  
420 mile tropo  
seen Aug. 27 1990  
at 0329 CDT



WMSY-52  
Marion, Virginia  
549 mile tropo  
seen Aug. 27 1990  
at 0445 CDT



KWHD-53  
Castle Rock, CO  
770 mile tropo  
seen Aug. 29 1990  
at 0830 CDT



More from Jeff next month.

Moving Address:  
PHOTO NEWS  
7784 River Rd. Akron, NY 14001-9529  
Photos submitted to PHOTO-NEWS WILL NOT  
be returned.  
Editor by  
David J. Nielsen

## PHOTO-NEWS page 2

Next up is Greg Canniglio - Williamsville, New York with some E-skip and tropo photos from late last year.

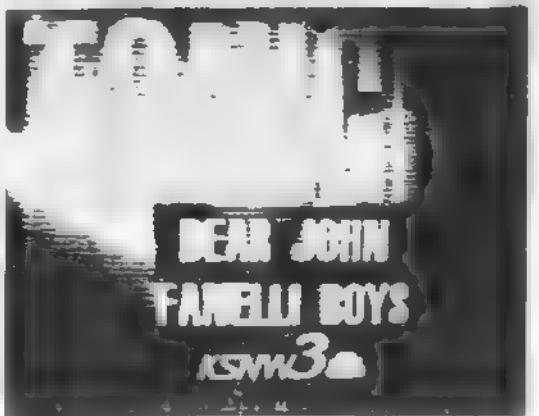
WFTR-33  
Burlington, Vermont  
295 mile tropo  
seen Sept. 3, 1990



WHME-46  
South Bend, Indiana  
404 mile tropo  
seen October 20 1990



KSNW-3  
Wichita, Kansas  
1064 mile E-skip  
seen October 31 1990

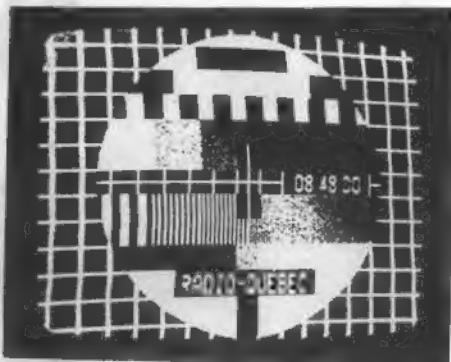


Thanks Greg for sending the photocopies  
of your DX photos. This save the club  
a lot of time. They look good and  
will reproduce well.

Last is yours truly Dave Nieman - Akron, New York: equipment: RCA 19" b&w TV with a Teknika 6510 tuner, Channel Master (CM) 3617B VHF at 23' above ground (AG), CM 7' dish with a Blonder-Tongue CMA-Ub preamp on a crankup tower at 40' AG using RG-11 coax for both antennae. Camera is a Canon 35MM shutter speed 1/30 sec., F5.6 & Kodacrome 200 speed film.



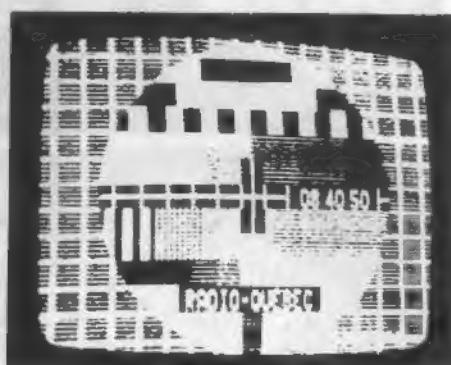
W59BV  
Rochester, New York  
49 mile tropo  
seen August 28, 1990  
at 2400 EDT



CIVO-30  
Hull, Quebec  
219 mile tropo  
seen September 5, 1990  
at 0848 EDT



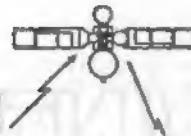
CFJP-35  
Montreal, Quebec  
300 mile tropo  
seen September 5, 1990  
at 0900 EDT



CIVS-24  
Sherbrooke, Quebec  
350 mile tropo  
seen October 30, 1990  
0848 EDT

Till next time, DAVE

## SATELLITE NEWS



GEORGE W. JENSEN  
4654 Antares Avenue  
Gallivans, MD 21205-4230

Greetings! I hope that the holidays have been good to all and a lot of great DX was achieved. There has been a lot of moving around on the birds with some services pulling the plug or something.

SBS 6 on the Ku side is alive and active at 99 West. Galaxy 6 is alive and active at 91 West. Satcom C1 is now aloft and will locate at 139 West taking the place of Satcom 1 which will be moved to 131 West to take the place of rapidly failing F3.

GStar IV will be located at 125 West (this is Ku only)

At a later date if Satcom C5 is launched successfully, it will locate at 139 West and Satcom C-1 will be placed at 137 West.

Perhaps as a result of the suit against Tuxedo and others the Graff service Spice which was on Galaxy 2-15 has apparently ceased operation. The other Graff service Drive-In continues to operate.

On January 3, 1991 - ALL PBS FEEDS WILL RELOCATE TO SPACENET 1, XPDRs 3, 5, 9 & 23. This will probably entail the move of Three Angels and TV Heaven to another location.

USA Direct which operates on Telstar 302 X17 also has been noted on Galaxy 2 XPDR 2.

Cable Video Store seems to have moved from Galaxy 2 XPDR 5 to Satcom 4 XPDR 4. This was occupied by Guest Cinema. I believe they may have merged.

In-Court and Courtroom Television Network have merged delaying the start-up on Satcom 4 XPDR 24.

I now have SCPC capability. Westsat Communications has a good listing of available programming, unfortunately, the receiver that I have does not show actual frequencies. I basically can only indicate which satellite and polarity to use to receive things. Single Carrier Per Channel is basically for radio transmissions only. Noted on Intelsat 34 West Horizontal is KNR - Greenland operating in Danish and Eskimo dialect according to times listed in the World Radio TV Handbook. Radio Marti is on Satcom 2 alongside a relay of Radio Rebelde Havana which seems to be being lifted directly off air probably at Marathon Key. The QRM at night from other stations is indication of this. Noted on Morelos 1 has been Stereo Ray and something called Energy 99 both in Spanish.

That's all for this month. See you in 30.

George



# WINTER FM DXING

BY DOUG ALLEN

Do winter conditions dampen your enthusiasm for FM DXing? It's true, both E-skip and good tropo are unlikely during the months of November through March in most parts of the country. We have a minor Es peak during December and January which corresponds to June and July in the southern hemisphere, but most of us will be lucky to catch a single opening here in North America. And tropo in the frozen north is almost nonexistent though our southern neighbors are a little better off. For instance, gulf coast tropo is a real possibility.

There are, however, several possibilities for FM DX. Tropo scatter out to 500 miles is possible at any season and aurora propagation is also a possibility, especially in the more northern latitudes. However, for most of us the best bet for winter doldrum DX is meteor scatter. During the 2 1/2 years I've been here in Colorado, I've ID'd 21 states on ms including one, Arizona, that I've heard on no other mode. During the last 27 years I've spent hundreds of hours DXing ms, mainly on amateur radio frequencies.

Meteor scatter occurs when small particles of solid matter enter the earth's atmosphere and become heated to incandescence forming a cylinder of dense ionization behind the meteor. Billions of particles the size of a grain of sand are swept up by the earth daily. These meteor trails occur in the E layer at heights around 60 to 75 miles in the ionosphere. This is the same height as Es propagation occurs, and skip distances are similar, about 600 to 1400 miles. Both empirical study and theory suggest that the geometry of ms propagation is as follows: the ionized path must occur perpendicular to and approximately equidistant from the transmitting and receiving station. Those much rarer meteors which are considerably larger than a grain of sand may create an "overdense column" of ionization that will reflect radio waves from any angle. They are probably responsible for any meteor scatter at less than 600 miles.

To hear meteor scatter propagation tune to any quiet frequency on your FM dial and turn your antenna towards an area where there are stations around 700-1200 miles, the distance that is most favored by ms. You will hear more ms signals around 6 AM local time because the rotating earth is rotating into sporadic meteor paths whereas 12 hours later around 6 PM meteor velocity has to be great enough to catch up with the flight of the earth. Because most of the early morning meteors swept up by the earth will have a more or less east to west projectory, you will hear a few more pings and bursts by aiming north or south than by aiming east or west.

Meteor scatter signals appear randomly at practically full strength and usually disappear just as abruptly. Tropo scatter signals and E skip signals are different. They usually fade up out of the noise and later fade out. You will also notice fading on airplane scatter whereas tropo signals may or may not show fading, but will typically last much longer than the several second to minute or two length of the very best ms bursts. You'll soon learn to recognize ms signals by these and other characteristics.

## WINTER FM DXING

Very short meteor scatter signals lasting a fraction of a second and conveying no more than a syllable of information are called pings. Signals lasting more than a fraction of a second and conveying two or more syllables of information are usually called bursts. You will hear many more pings than bursts. Although many ms signals are strong enough to break a sensitive squelch and can even be heard occasionally on a good car radio with a whip antenna, most ms signals are less than 20 db out of the noise. Therefore, you'll hear a lot more from class C stations running 100 kw than from 3 kw stations that are 15 db down in signal strength. So if you're a newcomer to ms DXing, choose a quiet class C frequency if possible.

Most of us will have only a few really quiet frequencies for ms DXing. For ms you might want to DX with an antenna just a few feet above ground in order to minimize ground wave interference if that's a problem. Polarization and height above ground will make little difference for ms DXing. An omni directional antenna is also satisfactory. Learn the call letters and formats of the stations in the 700-1200 mile range that you're most apt to hear on that frequency. And then listen, listen, listen. You can be reading a book, cooking dinner, or writing an article (as I am) while you monitor the frequency.

To give you an idea of what to expect I've put a clock or watch with a second hand by my radio and recorded the average number of pings and bursts at different times of the day and on different frequencies. I encourage you to do the same. I usually record for a ten minute period. On my most quiet class C frequencies such as 98.1 I hear about 10 pings per minute and about 50 seconds of bursts around 7 AM. Around 7 PM it's about 4 pings and 20 seconds worth of bursts during a 10 minute period. On a quiet class A frequency I hear about 3 pings a minute and about 10 seconds worth of bursts during 10 minutes of monitoring at 7 AM and less than half that amount in the evening.

The pings don't convey enough information to be useful, but even short bursts of a second or two are long enough to hear call letters, nonIDs, "Denver's weather," parts of ads, traffic reports, promos, etc. Most bursts are of only a second or two duration, but I hear about one 10 second burst or better each 10 minute monitoring period on my favorable frequencies in the morning. And about once an hour I'll hear a burst of over 20 seconds. On some frequencies where I know there's only one h, g, j, or c format I can be pretty sure of the ID though I only hear it a few seconds. Of course, I wouldn't count a new station on that basis, but I might mentally relog it. For instance, I hear many bursts from San Francisco's KABL on 98.1 and a few bursts from Reading's KVIP-FM on the same frequency. Both formats are distinctive. KABL IDs frequently, and I can usually record at least one ID an hour. KVIP-FM probably only IDs on the hour and half hour so despite many minutes of bursts over many hours of monitoring I haven't caught an ID and haven't counted the station.

To determine your probable rate of success of IDing a ms signal, determine how many seconds during an hour your local stations ID or give other specific information which you might use to count the station. Stations in other parts of the country with similar formats will probably ID about the same amount. Some stations ID frequently and give frequent weather and traffic reports or local ads that might help you count them. Such stations in my area give about 10-20 IDs an hour which take 15 to 30 seconds of station time an hour. In addition, some of these stations broadcast specific local information about 15 to 30 seconds each hour. Things like "Denver's weather." Therefore, you have about 30 to 60 seconds during each hour to possibly ID such a station.

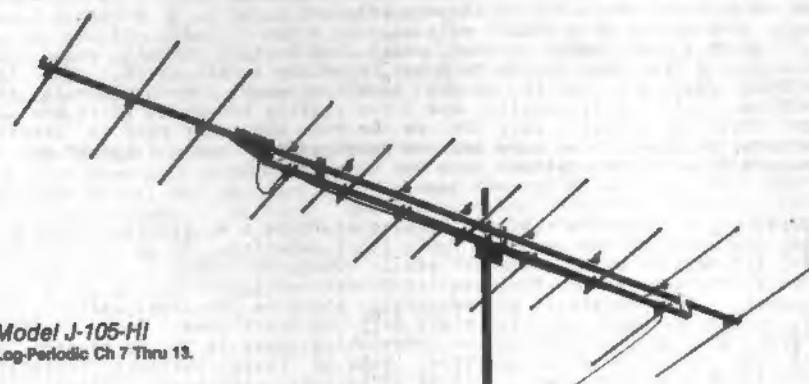
## WINTER FM DXING

On my most favorable frequencies and times I receive about 50 seconds worth of bursts in a ten minute period or 5 minutes an hour. These bursts will normally be from a number of different stations, some of which may only ID on the hour. The chance of hearing that one ID on the hour is approximately one in twelve or about 8%. Actually some bursts will be too garbled due to doppler shift or because two or more stations are mixing. Therefore, 5 or 6% is a more realistic figure. So you have about a one in twenty chance of catching that ID on the hour under very favorable circumstances. But what that means is that a station that IDs 20 times an hour on a quiet class C frequency might be ID'd most morning hours. And that has been my experience. Of course, infrequent IDers will require much more time.

For most DXers your first dozen or two ms stations should be easy and 100 or more should be possible using the techniques outlined above. If you're an experienced ms DXer you might check Fred Nordquist's "FM Statistics" column. There are actually frequencies where no one has ever reported ms DX! You could be the first! In a future article I'll describe more advanced techniques such as taking advantage of meteor showers and using squelch or vox circuits to make monitoring a little easier, and ms DXing TV. Another benefit of monitoring ms is that you can also "sit" on a frequency which might produce a most wanted tropo scatter station. And by monitoring regularly you might also catch one of those elusive winter Es or tropo openings.

## 75-ohm J-Series System Antennas

GENERAL  
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## MORE MODIFICATIONS!

HOW TO INCREASE THE ABILITY TO FINE TUNE A DIGITAL TUNER  
CASE SUBJECT: SONY ST-J60

-Bill Nienajadly

After reading that Southern FM DX editor Danny Buntin changed the tuning increments on his Onkyo T-9090 from 200 khz to 25 khz by simply adding a diode, I wondered if it was possible to do the same on my Sony ST-J60 digital tuner. I was always aware that if one cuts out a diode on some scanners, it is then possible to get extra channels and better performance. But after reading Danny's report, I was inspired to see what results I could achieve.

It seems that the diode seems to play a major role in some way when it comes to tuning in steps and channel capacity in some way. I really do not know why. But by adding or cutting out a diode at the right spot can evidently change things for the better.

Before I go and tell you what to do, please remember that the tip I'm going to give you is for a Sony ST-J60 digital tuner. The concept here, is the possibility of adapting these tips to your model. Trial & error is the key here, I wouldn't recommend trying this on a tuner or receiver unless you have some soldering skill and the set is out of warranty. The reason being, you will likely be cutting some wrong wires along the way and you might have to resolder it. Also if you ever have to get it serviced someday under warranty, they might not honor the warranty....OK I scared off about 1% of you, now for the 99% remaining!

As said earlier: Danny added a diode, for the Sony ST-J60 I cut out a diode, and more. With the cover off (of course!), look toward the front of the tuner (the circuit board part) you will notice a big 'IC' chip labelled 'NEC D552C' this is the biggest chip in the tuner, you can't miss this baby! Now...look at the lower right hand corner about a 1/2" away from the chip and you will see a diode, a bunch of resistors and some JW (jumper wires). Once you located this general area, you will notice that the circuit board has the part #s on it. **WITH THE POWER OFF!**...Cut JW60, cut R621, cut D602. Make sure that the part cut are no longer touching each other. Turn back on the power and you have 50 khz tuning steps now! That's it folks! It's that easy!

Of course I mentioned that it was trial and error for me, I made the mistake the day before of connecting the cut diode lead to a resistor and the 'IC' chip was running quite hot, but I found out the best way to do it (after cutting 'this and that') now the chip is running at normal temp.

What is the possibility of other tuners/receivers that are digital be modified in the same manner? Maybe! Suppose say Onkyo uses the same chip in all their digital tuners/receivers and the diode (or the lack of one) determines what tuning increments your certain Onkyo set has. The possibility of just doing a little trial & error with the diode can enable one to tune in 25 khz increments from 200 khz tuning.

The Onkyo T-9090 MKII (about \$725) off the shelf store bought, tunes in 25 khz tuning, however the T-9090 (about \$500) off the shelf store bought, tunes in 200 khz tuning steps. Like I said, if the lower priced models say a \$250 store bought receiver uses the same chip then it should be possible to mod it to tune like the T-9090 MKII (about \$725) just by adding a 25 cent diode!

Say a top of the line brand, say Pioneer, Yamaha, Denon or what ever tuner you can think of, tunes in smaller steps than 200 khz, but the mid priced and lower end of the above brands use the same 'chip' as the top of the line brands listed above but only tunes 200 khz, then it is likely possible you can change the steps on the lower priced units.

In closing I hope I shed some light on this modification. I hope you have much success in your efforts to modify. Please: tell others in the club on how you changed the tuning steps in your digital receiver/tuner.

Oh yes...If you own a Carver TX-11a, you already know about the switch inside the Carver tuner that enables one to have 50 khz tuning steps 'with the flick of a switch' as reported last year by Bill Nollman. But the TX-11 (not the 11a) has no switch to change the steps. Using the tips told above, one might attempt changing the steps, but those that do not want to 'experiment' on thier \$500+ tuners might want to try another approach. Obtain schematics for both the TX-11 and TX-11a and trace the circuits nearest to the chip for a diode added or missing. Of course this might be a bit difficult due to the fact that the TX-11a has also a AM section where as the TX-11 does not. Hence there might much more parts to trace on the TX-11a. Don't worry too much though, I believe someone from our great club will likely report on step changing for the Carver TX-11.

The comparison of schematics between a high end and a mid/lower price tuner might reveal a lot! Good luck & Goodxing!-BN

## A USER'S VIEW OF THE ICOM R7000

BY TROY MIMS

As an ICOM R-7000 user, I note that other V.U.D. readers have added this piece of equipment to their DX-ing "arsenals." While not being a full-blown tech review by any means, I thought I would write this to share my thoughts about the usefulness of this machine to the DXer. I tend to agree with most comments that have been made so far, but admit that much of your results depend on your location, as in, I suppose, the case with most DX equipment (nothing beats a box with bells and whistles like a 5000 foot mountain 100 mi. away from all local transmitters, right?).

The ICOM video adapter (TV-R7000) gives you baseband video. If you use a good monochrome video monitor, such as a CCTV monitor with 700 lines of resolution, the video looks VERY good. The audio (mono) comes from the adapter, which taps into the 10.7 MHz IF output of the receiver (ICOM also sells an FM stereo adapter). I've found it's better to just take the video from the adapter, and rely on the receiver audio output for the audio.

Forget about using the R-7000 on Meteor Scatter DX. I've noticed that sync stability on weak signals is not quite so good as it is on a 12" Magnavox, despite the good sensitivity. This MAY be the fault of the video adapter or the AGC action of the R-7000. There is definitely much MORE crossmod on VHF than there is with most of the conventional TV tuners. On UHF, things are a bit different, perhaps due to the different IF stage schemes used. Sensitivity improves as you approach the 800 MHz cellular phone bands. That's not a surprise; that's what many users want it for! Selectivity on UHF on the ICOM is somewhat better than most TV sets, especially as you approach the higher U channels. However something like the old "hybrid" RCA's and Zeniths from circa 1972-76 would out-perform it in selectivity, though NOT in the sensitivity department.

It IS possible to hear the audio of weaker stations much sooner than you would with a conventional UHF TV tuner. Good examples of this are UHF TVers around 180 mi. away from me, actually listenable much of the time, often still intelligible when these stations are only showing up as framebars on other TV's. A conservative guess is that it adds about 50 miles to your daily UHF TV audio tropo-scatter range. True, some TV-only DXers and purists would say "but, this isn't TV DXing, it's only TV audio DXing!" But, you can hear signals you wouldn't get on a standard TV DX hookup with regular TV set or VCR tuner, so it is one HECK of a useful accessory!

The R-7000 is definitely NOT a good tuner for FM DX! To be blunt, it's a disaster if you have any kind of decent local signals. Image response from 70 to 110 MHz is very bad, crossmod and general overload effects are easily noticed. I haven't tried to modify the filters used for the "FM wide" mode, but doing so would no doubt help (word is that one or two of the radio equipment dealers will do various mods for you, but such aftermarket work may void the R-7000 warranty). In the FM wide mode, using the S-meter, I've noted that adjacent channel rejection is only about 15 dB, and alternate channel is also quite poor. In this part of the VHF spectrum, the ICOM seems to have very poor blocking dynamic range and IMD rejection. While it is sensitive, image rejection is rather poor in some parts of the VHF range.

The R-7000 is overpriced, like much of ICOM's ham radio gear. It can retail for as much as \$1095, with the video adapter going for as much as \$140. If you want one, call not just one or two dealers, call several. All the good ones have ads in your ham and scanner publications; and they are quite competitive. I won't tell you where I got mine, but three personal favorite dealers I WILL name are Amateur Radio Electronics, Grove Electronics, and Electronic Equipment Bank.

R-7000 options are also pricey, but you do need the video adapter for video DX-ing. The adapter can be easily adjusted for 625-line foreign video standards when used with a good (700-line or greater) monochrome monitor that accepts a standard baseband video input. Most of the other options you don't need. In a small DX shack at arm's length, the ICOM remote didn't seem like a good idea to me, so I didn't go for it. The discone "all channel" antenna they sell is highly regarded among scanner/monitor enthusiasts. Above 110 MHz, it does a great job on-local ham and PSB signals to over 900 MHz--almost like having a good ground plane cut for any one of the bands in question. But, you really don't want a discone for weak signal DX-ing!

It's an expensive toy, to be sure, but among the main reasons I bought it was the decent coverage of the ham bands on VHF and UHF, the cellular range, STL's above 930 MHz, etc. I also wanted to be able to monitor ham TV signals. The ham video signals in the 440, 900 and 1296 MHz bands are easy to receive, providing you have (1) local ATV-active hams and (2) a decent antenna for the band.

It's versatile for experimenting too. The signal meter (which can double as a center-tune meter) is ideal for tuning traps and "A/B"ing antennas, and (as has been noted by reporters in VUD) having the ability to measure a station's frequency down to .1 of a kHz aids ID'ing video carriers in a big way--especially "oddball" ones, such as the UHF translators and LPTVs, some of which have been noted to be as much as 40 kHz off center channel. Welcome to the "Mickey Mouse engineering" world of LPTV! The feds would never let the full-service stations get away with that! Believe me, getting this receiver has made me want to go out and cut a homebrew yagi for each one of the new bands I can monitor. This is an excellent receiver for those who are really interested in the higher bands, allowing you to tune those bands in ways the serious user will appreciate the most. But--it won't replace your FM DX tuner, and at best is a useful accessory to a good TV-DX post.

## STATION BREAK

WTFDA  
P.O. Box 514  
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - Back issues of the VUD, 1977 May, June, July (2), Aug., Sept., Oct (2), Nov. (2), and Dec. (2), and Mar. '78. \$2.00 each including postage.  
Michael Hollis - 40 Lakewood St. - Mary Esther FL 32569 (904) 243-6026

MR. RADIO NEEDS "TAPE ROLLERS"! I'm looking for folks to "roll tape" in all markets. It's fun! I collect airchecks of FM, AM, & TV stations and I need airchecks of US & CANADA stations. Call MR. RADIO at (904) 788-4678. Or write: Stephen D. Ehrbar, Mr. Radio, P.O. Box 3494, Daytona Beach FL 32118-0494. If you would like a free catalog of airchecks for sale, please call or write!

MAGAZINES WANTED - Issues of "EDN", "Electronic Design" and "Electronics World + Wireless World" (previously "Electronics & Wireless World" and before that "Wireless World") from 1975 to present. Write [P. Sawatzky, P.O. Box 268, Breslau, Ontario CANADA N0B 1M0], phone [weekdays daytime (519) 824-4120 Ext. 3027] or FAX (519) 742-4594. No collect calls, but I'll refund your call.

FOR SALE - USED GEAR: Denon TU 800 lightening damaged, factory authorized service said "not worth repairing" at 35 an hour, but technician said they didn't try very hard. Lights up. Sold As Is - \$15 plus shipping. Allied 8 band radio - works but probably needs tune-up! Bands: LW, MW, 4 International SW bands, FM 88-108 and FM 152-176. Suitable for beginner or at your cabin. Sold As Is - \$18 includes shipping. Channel Master 9510 and 9515 control boxes. Very good condition. Both work with 9510 or 9515 rotor. Sold As Is - \$12 plus shipping for 9510, \$18 for 9515. 9510 rotor works but maybe stripped gears? As Is for \$12 plus shipping.  
Doug Allen - P.O. Box 5646 - Woodland Park CO 80866 (719) 687-3549 No collect calls please. Call evenings to 8 PM EST or weekend mornings.

FOR SALE - Complete 1971 VUD's \$30.00. FRENDEX (NASWA Shortwave Bulletin) 131 issues from the years 1976 to 1989. 1980 to 1988 are complete years. \$60.00. STV Magazine (Satellite TV) 32 issues from the years 1984 to 1987. \$25.00. Prices include postage. If interested send a postcard with your phone number to: Michael Cunningham, Box 615 Cooper St., Harrisville WY 26362 or call my BBS at (304) 643-4214 and leave me feedback.

FOR SALE - NEW GEAR: Channel Master 9510 new in box. \$54 plus shipping. Channel Master model 7020 MATV 50-450 wideband amplifier new in (soiled) box. Half dealer price: \$41.41. New Antennacraft antennas and amplifiers in box. All models. Dealer pricing plus shipping.  
Doug Allen - P.O. Box 5646 - Woodland Park CO 80866 (719) 687-3549 No collect calls please. Call evenings to 8 PM EST or weekend mornings.

WTFDAers: YOUR ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA and the VHF-UHF DIGEST assume no responsibility for any claims made by advertisers--OUR trust is implicit, as fellow DXers.